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University of Kentucky

Analyses of Commercial Fertilizers

BULLETIN NO. 256



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Lexington, Ky.

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BULLETIN NO. 256

Analyses of Commercial Fertilizers

By H. E. CURTIS, H. R. ALLEN AND LELAH GAULT

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1924, the names of the manufacturers, and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agent, and such literature as bears on the subject in which they are interested will be furnished. Bulletin No. 228 of the Experiment Station, showing the results obtained on the soil experiment fields, is of special interest to all users of fertilizers.

Samples Analyzed

There were registered during the year a total of 728 brands of fertilizer as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	408 brands
Nitrogenous superphosphates	79 brands
Acid phosphate and potash mixtures.....	62 brands
Acid phosphates	116 brands
Bones, tankage, etc.	51 brands
Nitrate of soda	7 brands
Ammonium sulfate	2 brands
Potash salts	3 brands

There were 794 samples of fertilizer collected by our inspectors and sent in by various persons in the State, which have been analyzed, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups—The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom in the past, we have shown an index of relative value for the purpose of comparison. The following factors have been used in computing these values:


Available phosphoric acid in mixed fertilizers.....	1.5
Available phosphoric acid in acid phosphates.....	1.2
Insoluble phosphoric acid in mixed fertilizers.....	0.4
Phosphoric acid in bone	0.8
Nitrogen in all fertilizers	5.0
Potash in all fertilizers	2.0

Explanation of the Tables

In the tables of analyses, following the name of each brand, will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturers, and the manufacturer's guaranty, printed last in italic figures. In Table II the figures set in bold face type are those results which are considered too low to be acceptable. In a number of cases the same brand of fertilizer will be found in both Tables, I and II—in which case they are marked in each table with a (†) dagger.

In Table I there are a number of analyses that, notwithstanding they are considered good enough to be placed in Table I, have objectionable features to which we desire to call attention: There are quite a number of cases where the potash is guaranteed from sulfate and the analyses made of some of these brands show the potash to be from muriate, no sulfate whatever having been used. Four or five companies have too many analyses of this class.

It will be noticed in Table II that a large number of analyses have been put into this table on account of the deficiency in total phosphoric acid. This comes from attempting to show a large amount of insoluble phosphoric acid in addition to the guaranty of available phosphoric acid, and, on account of this tendency to show a larger per cent of insoluble phosphoric acid than the goods contain, it has been deemed advisable to classify them among the deficient brands of fertilizer, hoping in this manner to induce the manufacturer to change these large guarantees of 4% or 5% insoluble phosphoric acid to 1% or 2%.



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TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	A. D. Adair and McCarty Bros., Inc., Atlanta, Ga. and Chattanooga, Tenn.	
66726	Adair's Soluble Pacific Guano	Manufacturer Guaranteed
66727	Adair's Ammoniated Dissolved Bone	Manufacturer Guaranteed
66728	A. and M. High Grade Complete Fertilizer No. 765	Manufacturer Guaranteed
66729	A. and M. High Grade Potash Compound	Manufacturer Guaranteed
67122	A. and M. High Grade Phosphate No. 16	
67383		Hill Hardware Co., Bowling Green Young Hardware Co., Hopkinsville..... Guaranteed
66731	A. and M. Lime-Phosphate Mixture	Manufacturer Guaranteed
67038	A. and M. High Grade Blood, Bone, Tankage Guano	Manufacturer Guaranteed
67039	A. and M. Old Glory Mixture	Manufacturer Guaranteed
67384	A. and M. Standard Tobacco Grower	Wilson, Winn and Co., Russellville....
67385		Yopp Seed Co., Paducah Guaranteed
67386	A. and M. High Grade Tobacco Grower	J. M. Johnson, Benton Guaranteed
67387	A. and M. Special Tobacco Grower.	Ratliff Hardware Co., Princeton Guaranteed
	Alabama Chemical Co. of Alabama, Montgomery, Ala.	
67388	Red Cross Tobacco Special	Cayce-Yost Co., Hopkinsville Guaranteed
67389	Cayce's Tobacco Formula	Cayce-Yost Co., Hopkinsville Guaranteed
67697	Red Cross Acid Phosphate	Young Hardware Co., Hopkinsville....
67698		Madison County Farm Bureau, Richmond
67699		Farm Bureau, Elizabethtown..... Guaranteed
	The American Agricultural Chem. Co., Inc., Cincinnati, O.	
67125	A. A. C. Ky. Tobacco Grower	Mayhew and Gilbert, Franklin..... Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.25 10.00	1.90	13.15			1.34	1.75 1.65	2.12 2.00	2.24 2.00		30.9 27.3	66726
8.50 8.00	1.30	9.80			1.51	2.16 1.65	2.62 2.00	2.58 2.00		29.2 24.3	66727
6.30 7.00	0.45	6.75			5.71	6.54 4.94	7.94 6.00	4.78 5.00		51.9 45.2	66728
11.85 10.00	1.90	13.75						5.04 4.00		28.6 23.0	66729
18.60 18.60 16.00	2.00 1.20	20.60 19.80								22.3 22.3 19.2	67122 67383
13.00 13.00	2.20	15.20								15.6 15.6	66731
11.80 10.00	1.30	13.10			1.68	2.52 2.47	3.06 3.00	3.13 3.00		37.1 33.4	67038
9.10 9.00	0.80	9.90			1.08	1.71 1.65	2.08 2.00	3.28 3.00		29.1 27.8	67039
9.90 9.70 8.00	1.90 2.50	11.80 12.20			1.31 1.25	2.04 1.90 1.65	2.48 2.31 2.00	2.76 2.23 2.00		31.3 29.5 24.3	67384 67385
8.50 8.00	1.10	9.60			1.39	2.09 2.47	2.54 3.00	5.19 5.00		34.0 34.4	67386
9.40 8.00	1.80	11.20			0.89	1.75 1.65	2.12 2.00	4.38 4.00		32.3 28.3	67387
9.70 10.00	2.70 1.00	12.40 11.00			2.53	2.53 2.47	3.07 3.00	3.85 3.00		35.9 33.8	67388
8.10 8.00	1.70 1.00	9.80 9.00			2.47	2.47 2.47	3.00 3.00	7.34 6.00		39.9 36.8	67389
17.15	0.40	17.55								20.6	67697
17.25 16.80 16.00	0.30 0.25 0.50	17.55 17.05 16.50								20.7 20.2 19.2	67698 67699
8.50 8.00	1.70 4.00	10.20 12.00			1.24	1.59 1.65	1.93 2.00	2.37 2.00		26.1 25.9	67125

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
67126	A. A. C. Ground Bone	W. G. Wesley, Science Hill.....
67127		Hill Hardware Co., Bowling Green....
67701		Burk Bros. and Edwards, Upton.....
67702		Woodson Lewis and Son, Greensburg..
67898		Sam Terry, Big Clifty
		Guaranteed
66490	A. A. C. High Grade Bone and Potash	Manufacturer
67128	A. A. C. Basic Lime Phosphate (containing 30% lime)	Guaranteed
67129		Brownlee, Kennedy and Crutcher, Munfordville
67130		Hoy McClure, Somerset.....
67703		T. E. Richardson, Campbellsville.....
		Skidmore, Spencer Hdw. Co., Elizabethtown
67704		I. G. Aldridge, Dixon.....
		Guaranteed
66808	A. A. C. Corn and Cotton Grower	Manufacturer
		Guaranteed
67131	Bowker's Soluble Bone	Gooch and Payne, Eubank.....
67132		T. E. Richardson, Campbellsville.....
		Guaranteed
67133	Bowker's 16% Acid Phosphate	Gooch and Payne, Eubank.....
67134		Mayhew and Gilbert, Franklin.....
67135		Estes and Hines, Science Hill.....
67705		J. H. Schoolcraft, Somerset.....
67706		T. E. Richardson, Campbellsville.....
67707		Rupert Devasher, Glasgow.....
		Guaranteed
67390	Bowker's Fish Guano	Harvey Stout and Son, Buechel.....
		Guaranteed
67137	†Bowker's Corn and Wheat Phosphate	J. H. Twyford, Monticello.....
		Guaranteed
67139	†Bowker's Grain and Grass Grower	John Riffe, Hustonville
67392		R. L. McFarlan, Mt. Vernon.....
		Guaranteed
67394	†Bowker's High Grade Tobacco Grower	Johnson and Bags, Morehead.. 18. 11. 11.
		Guaranteed
67141	Bowker's Potash Fertilizer	J. L. Tabor, Bowling Green.. 18. 11. 11.
67709		Rupert Devasher, Glasgow.....
		Guaranteed
67143	†Bowker's Tobacco Grower	Gooch and Payne, Eubank.....
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		28.20	80	20	0.41	1.80	2.19			31.6	67126
		27.30	84	16	0.46	1.89	2.29			31.3	67127
		28.05	76	24	0.49	1.81	2.20			31.5	67701
		28.40	79	21		1.81	2.20			31.8	67702
		29.50	85	15		1.81	2.20			32.7	67898
		27.00				1.65	2.00			29.9	
10.15	1.20	11.35						2.12	2.93	25.8	66490
10.00	2.00	12.00						5.00		25.8	
13.40	2.60	16.00								16.1	67128
13.80	1.50	15.30								16.6	67129
13.40	1.50	14.90								16.1	67130
13.20	1.70	14.90								15.8	67703
13.60	1.80	15.40								16.3	67704
13.00	2.00	15.00								15.6	
12.25	1.50	13.75			1.38	1.72	2.09	2.15		31.9	66808
12.00	2.00	14.00				1.65	2.00	2.00		31.1	
15.00	1.80	16.80								18.0	67131
14.70	1.20	15.90								17.6	67132
14.00	2.00	16.00								16.8	
17.30	1.40	18.70								20.8	67133
16.80	1.70	18.50								20.2	67134
17.50	1.50	19.00								21.0	67135
17.50	1.55	19.05								21.0	67705
16.70	1.60	18.30								20.0	67706
17.40	1.40	18.80								20.9	67707
16.00	2.00	18.00								19.2	
8.95	1.10	10.05			0.67	0.91	1.10	3.13		24.7	67390
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
10.60	1.40	12.00			0.74	0.95	1.15	1.12		23.5	67137
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
9.10	1.60	10.70			1.31	1.77	2.15	2.67		28.5	67139
10.10	1.30	11.40			0.97	1.28	1.55	2.80		27.7	67392
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.50	1.90	12.40			1.67	2.65	3.22	1.00	2.26	36.3	67394
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
10.30	1.00	11.30						5.53		26.9	67141
10.30	1.35	11.65						5.06		26.2	67709
10.00	2.00	12.00						5.00		25.8	
8.50	1.50	10.00			1.36	1.68	2.04		4.66	31.1	67143
8.00	4.00	12.00				1.65	2.00		5.00	31.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
66505	Bowker's 20% Acid Phosphate	Manufacturer Guaranteed
66508	Bradley's Soluble Dissolved Bone	Manufacturer Guaranteed
67396	Bradley's 16% Acid Phosphate	G. B. Green, Caneyville Guaranteed
66516	Bradley's 20% Acid Phosphate	Manufacturer Guaranteed
66517	Cleveland Dryer Works Horsehead Phosphate	Manufacturer Guaranteed
66518	Cleveland Dryer Works XXX Super-phosphate	Manufacturer Guaranteed
67147	Cleveland Dryer Works 16% Acid Phosphate	Green Wesley, Mangum
67148		Burk Bros. and Edwards, Upton.....
67397		Bank Taylor, Caneyville.....
67398		E. E. Brown, Livermore..... Guaranteed
66527	Cleveland Dryer Works 20% Acid Phosphate	Manufacturer Guaranteed
67710	Red Line Phosphate	S. G. Aldridge, Dixon.....
67711		Burk Brothers and Edwards, Upton.... Guaranteed
67399	Michigan Carbon Works 16% Acid Phosphate	Greenup Milling Co., Grayson.....
67400		Gross and Wiseman, Cecilia.....
67712		Lebanon Carriage and Implement Co., Lebanon
67713		L. R. Chelf, Knifley
67714		Denton Hardware Co., Madisonville... Guaranteed
67716	+Red Line Complete Manure	Denton Hardware Co., Madisonville.... Guaranteed
67403	+Michigan Carbon Works Corn and Wheat Phosphate	J. H. Campbell, Salt Lick..... Guaranteed
67151	+Homestead A Bone Black Fertilizer	J. F. Collings, Shepherdsville.....
67725		Mayhew Feed Co., Franklin..... Guaranteed
67153	Homestead Tobacco and Truck Grower	Lebanon Implement Co., Lebanon.....
67404		W. S. Overstreet, La Grange..... Guaranteed
67155	+Homestead Tobacco Grower	E. S. Ferrill and Son, Buffalo.....
67726		W. T. Nunn, Horse Cave.....

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
20.10	2.00	22.10								24.1	66505
20.00	2.00	22.00								24.0	
14.45	1.85	16.30								17.3	66508
14.00	2.00	16.00								16.8	
16.95	1.45	18.40								20.3	67396
16.00	2.00	18.00								19.2	
20.10	2.00	22.10								24.1	66516
20.00	2.00	22.00								24.0	
10.25	1.40	11.65								12.3	66517
10.00	2.00	12.00								12.0	
14.45	1.85	16.30								17.3	66518
14.00	2.00	16.00								16.8	
17.70	1.10	18.80								21.2	67147
17.20	1.30	18.50								20.6	67148
16.40	1.10	17.50								19.7	67397
17.50	1.00	18.50								21.0	67398
16.00	2.00	18.00								19.2	
20.10	2.00	22.10								24.1	66527
20.00	2.00	22.00								24.0	
14.80	1.75	16.55								17.8	67710
14.75	1.60	16.35								17.7	67711
14.00	2.00	16.00								16.8	
16.90	1.30	18.20								20.3	67399
17.00	2.00	19.00								20.4	67400
16.85	1.75	18.60								20.2	67712
17.05	1.85	18.90								20.5	67713
17.25	1.75	19.00								20.7	67714
16.00	2.00	18.00								19.2	
9.25	0.80	10.05			0.97	0.97	1.18	1.41		21.9	67716
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
10.60	1.40	12.00			0.67	0.92	1.12	1.05		23.2	67403
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
9.60	0.90	10.50			1.17	1.97	2.39	1.69		28.0	67151
8.45	1.80	10.25			1.46	2.06	2.50	1.75		27.2	67725
8.00	4.00	12.00				2.06	2.50	1.50		26.9	
10.80	1.20	12.00			2.03	2.44	2.96	1.22		31.3	67153
11.10	1.10	12.20			2.12	2.53	3.07	1.08		31.9	67404
10.00	4.00	14.00				2.47	3.00	1.00		31.0	
10.10	2.00	12.10			1.38	2.56	3.11	3.21		35.2	67155
10.55	1.50	12.05			2.10	2.49	3.02		3.20	35.3	67726

TABLE I.

Number Station	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
67727		Burk Bros. and Edwards, Upton..... Guaranteed
67405	Michigan Carbon Works High Pot- ash Phosphate	Geo. L. Gallum and Son, Russellville...
67157		Skaggs and Nunn, Horse Cave..... Guaranteed
67158	Homestead Potato and Tobacco Special	Skaggs and Nunn, Horse Cave.....
67406		J. H. Campbell, Salt Lick.....
67407		A. B. Lander, Lafayette..... Guaranteed
66539	Michigan Carbon Works 20% Acid Phosphate	Manufacturer
67162	N-W Horse Shoe Brand Square Deal Phosphate	Guaranteed
67163	N-W Horse Shoe Brand 16% Acid Phosphate	Jno. R. Nelson, Eubank..... Guaranteed
67164		Bryant Brothers, Whitley City.....
67165		Woodson Lewis and Son, Greensburg..
67728		Jno. R. Nelson, Eubank.....
67729		Woodson Lewis and Son, Greensburg...
67408	N-W Horseshoe Br. Dark Tobacco Grower	E. S. Ferrill and Sons, Buffalo..... Guaranteed
67899	N-W Horseshoe Br. Corn and Wheat Phosphate	T. J. Whittinghill, Fordsville..... Guaranteed
67410	N-W Horseshoe Br. Tobacco and Truck Grower	Sam Terry, Big Clifty..... Guaranteed
67168	N-W Horseshoe Br. High Grade Tobacco Grower	Geo. W. Hill and Co., Covington..... Guaranteed
67411	N-W Horseshoe Br. 10-5 Potash Manure	John R. Nelson, Eubank..... Guaranteed
66552	N-W Horseshoe Br. 20% Acid Phos- phate	T. J. Whittinghill, Fordsville..... Guaranteed
67169	N-W Horseshoe Br. Quick Acting Phosphate	Manufacturer
67732		Guaranteed
66555	Packer's Boar's Head Br. Soluble Phosphate	E. S. Ferrill and Son, Buffalo.....
66556	Packer's Boar's Head Br. Gilt Edge Phosphate	Woodson Lewis and Son, Greensburg...
66557	Packer's Boar's Head Br. 16% Acid Phosphate	Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

[illegible]

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
66565	Packer's Boar's Head Br. Potash Phosphate Fertilizer	Manufacturer
66567	Packer's Boar's Head Br. 20% Acid Phosphate	Guaranteed
		Manufacturer
		Guaranteed
	Armour Fertilizer Works, Louisville, Cincinnati, Nashville	
67170	Big Crop 16% Acid Phosphate	Gid Dawes, Brady
67171		E. F. Pearson, Franklin
67172		Durham Implement Co., Danville
67733		J. W. Schoolcraft, Somerset
67734		The T. J. Turley Co., Owensboro
67735		Taylor County Supply Co., Campbells-ville
		Guaranteed
67173	Big Crop 20% Acid Phosphate	J. W. Schoolcraft, Somerset
67414		Sweeney Bros., Lawrenceburg
67415		Lee Long, Bagdad
		Guaranteed
67174	Armour's 1-8-1 Fertilizer	J. W. Schoolcraft, Somerset
67175		G. R. Greider, Liberty
67176		Cantrell and Penick, Greensburg
67736		J. W. Schoolcraft, Somerset
		Guaranteed
67177	† Armour's 1-12-1 Fertilizer	Frank Henry, Horse Cave
67416		Walton Sanitary Flour Mill, Walton
67737		Frank C. Henry, Horse Cave
		Guaranteed
67178	Armour's 2-8-2 Fertilizer	Cantrell and Penick, Greensburg
67418		Q. F. Combs, Pembroke
67419		Sweeney Bros., Lawrenceburg
67738		D. M. Brakefield, Adairville
67739		The T. J. Turley Co., Owensboro
		Guaranteed
66425	Armour's 2-12-0 Fertilizer	Manufacturer
		Guaranteed
67179	Big Crop 2-12-2 Fertilizer	Durham Implement Co., Danville
67420		Green Clay, Richmond
67740		W. W. Withers, Stanford
		Guaranteed
67421	Big Crop 2-10-4 Fertilizer	R. D. Taylor Feed and Supply Co., Ash-land
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.15	1.20	11.35						2.12	2.93	25.8	66565
10.00	2.00	12.00						5.00		25.8	
20.10	2.00	22.10								24.1	66567
20.00	2.00	22.00								24.0	
16.50	1.40	17.90								19.8	67170
17.30	2.30	19.60								20.8	67171
16.00	1.40	17.40								19.2	67172
15.55	1.40	16.95								18.7	67733
16.90	1.00	17.90								20.3	67734
15.70	0.90	16.60								18.8	67735
16.00	1.00	17.00								19.2	
21.50	1.70	23.20								25.8	67173
21.00	0.80	21.80								25.2	67414
20.50	1.00	21.50								24.6	67415
20.00	1.00	21.00								24.0	
8.10	1.50	9.60			1.22	1.61	1.95	1.88	0.57	25.7	67174
8.20	1.30	9.50			0.53	0.91	1.10	1.30		20.0	67175
8.40	0.70	9.10			0.61	0.96	1.17	1.30		20.3	67176
7.95	0.60	8.55			0.62	0.94	1.14	1.59		20.1	67736
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
12.10	0.80	12.90			0.51	0.78	0.95	1.15		24.7	67177
11.75	3.20	14.95			0.70	0.98	1.19	0.52	1.14	27.1	67416
12.15	0.55	12.70			0.67	0.95	1.15	1.16		25.5	67737
12.00	1.00	13.00				0.82	1.00	1.00		24.5	
8.40	1.00	9.40			1.03	1.63	1.98	2.35		25.9	67178
8.10	3.10	11.20			1.06	1.66	2.02	1.75		25.2	67418
8.00	1.50	9.50			1.10	1.61	1.95	1.88	0.47	25.4	67419
8.80	3.00	11.80			1.37	1.37	1.66	1.94		25.1	67738
7.90	2.65	10.55			0.95	1.50	1.82	2.13		24.7	67739
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
13.20	2.70	15.90			1.31	1.98	2.40			30.8	66425
12.00	1.00	13.00				1.65	2.00			26.7	
12.00	1.60	13.60			1.12	1.64	1.99	1.94		30.8	67179
11.00	1.10	13.00			1.11	1.64	1.99	1.99		30.5	67420
11.85	0.70	12.55			1.20	1.61	1.95	1.92		30.0	67740
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
10.90	1.50	12.40			1.22	1.53	1.86	4.64		33.9	67421
10.00	1.00	11.00				1.65	2.00	4.00		31.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67741	Armour Fertilizer Works Big Crop 0-12-4 Fertilizer	Wilson, Winn and Co., Russellville..... Guaranteed
67181	†Big Crop Bone Meal	Bert Hodges, Munfordville.....
67422		Wilson, Winn and Co., Russellville.....
67743		Cayce-Yost Co., Hopkinsville..... Guaranteed
67744	Big Crop Raw Bone	D. E. Patterson, Hodgenville..... Guaranteed
67182	†Big Crop Dark Tobacco Grower	E. F. Pearson, Franklin.....
67184		Cantrill and Penick, Greensburg..... Guaranteed
67187	†Big Crop Burley Tobacco Grower	W. P. Ray and Son, New Haven..... Guaranteed
66434	Big Crop Potato Grower	Manufacturer
67423	†Big Crop Plant Bed Special	Guaranteed
67426	Bonus "A" Humus	Shelbyville Feed and Produce Co., Shelbyville
67428	†Big Crop 2-12-6 Fertilizer	Guaranteed
66665	Armour's 1-8-4 Fertilizer	W. S. Overstreet, La Grange..... Guaranteed
67432	Ideal Superphosphate	Wilson, Winn and Co., Russellville..... Guaranteed
66686	Ideal Tobacco Grower	Manufacturer
66687	Ideal Grain Grower	Guaranteed
66688	Ideal Special Tobacco Guano	Manufacturer
67433	Ideal High Grade Tobacco Grower	Guaranteed
67074	Armour's Wheat and Corn Grower	T. J. Turley Co., Owensboro..... Guaranteed
67434	Armour's Corn and Tobacco Grower	Manufacturer
67076	Armour's Special Tobacco Grower	Guaranteed
67745	Big Crop 17% Acid Phosphate	Moore and Hughes, Leitchfield..... Guaranteed
		Manufacturer
		Guaranteed
		T. J. Turley Co., Owensboro..... Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate			Sulfate
11.25	1.85	13.10						4.33		26.3	67741
12.00	1.00	13.00						4.00		26.4	
		27.70	81	19		2.42	2.94			34.3	67181
		26.60	86	14		2.56	3.11			34.1	67422
		26.70	58	42	0.51	2.60	3.16			34.4	67743
		27.00				2.47	3.00			34.0	
		23.05	88	12	0.59	4.00	4.86			38.4	67744
		22.00				3.71	4.50			36.2	
8.10	4.30	12.40			1.32	1.80	2.19	0.60	3.94	32.0	67182
8.00	1.00	9.00			0.94	1.70	2.06		4.29	29.5	67184
8.00	1.00	9.00				1.65	2.00		4.00	28.7	
7.80	1.70	9.50			1.40	2.54	3.08		5.49	36.1	67187
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66434
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
9.00	0.90	9.90			2.00	3.29	4.00	0.60	2.57	36.7	67423
8.00	1.00	9.00				3.29	4.00		3.00	34.9	
12.10	0.90	13.00			0.54	0.83	1.01			22.7	67426
12.00	1.00	13.00				0.82	1.00			22.5	
12.40	1.30	13.70			1.36	1.57	1.91	5.34		37.7	67428
12.00	1.00	13.00				1.65	2.00	6.00		38.7	
8.75	2.55	11.30			0.60	0.91	1.10	4.85		28.4	66665
8.00	1.00	9.00				0.82	1.00	4.00		24.5	
16.65	1.75	18.40								20.0	67432
16.00	1.00	17.00								19.2	
10.70	2.80	13.50			0.95	1.81	2.20	1.20		28.6	66686
10.00	1.00	11.00				1.65	2.00	1.00		25.7	
9.20	4.40	13.60			0.53	0.92	1.12	1.11		22.4	66687
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
10.70	2.80	13.50			0.96	1.84	2.23		2.13	30.6	66688
10.00	1.00	11.00				1.65	2.00	2.00		27.7	
9.80	1.50	11.30			1.01	1.70	2.06	10.05		43.9	67433
10.00	1.00	11.00				1.65	2.00	10.00		43.7	
11.90	4.10	16.00			0.28	0.52	0.63	1.10		24.3	67074
11.00	1.00	12.00				0.41	0.50	1.00		21.0	
11.20	1.00	12.20			0.56	0.95	1.15	2.97		27.9	67434
11.00	1.00	12.00				0.82	1.00	3.00		27.0	
8.90	6.30	15.20			0.70	1.05	1.27		3.30	27.7	67076
8.00	1.00	9.00				0.82	1.00	3.00		22.5	
17.80	0.80	18.60								21.4	67745
17.00	1.00	18.00								20.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67190	Armour Fertilizer Works	
67746	Armour's Champion	Farmers Supply Co., Hodgenville.....
		Farmers Supply Co., Hodgenville.....
		Guaranteed
	The Buhner Fertilizer Co., Seymour, Ind.	
67030	Buhner's 3-8-6	*
		Guaranteed
	Calumet Fertilizer Co., New Albany, Ind.	
66755	Calumet Brand High Grade Tobacco and Truck Grower	Manufacturer
		Guaranteed
66756	Calumet Brand 2-12-6	Manufacturer
		Guaranteed
66757	Calumet Brand 2-12-2	Manufacturer
		Guaranteed
66758	Calumet Brand Otto Voyles Two in One	Manufacturer
		Guaranteed
66759	Calumet Brand 2-8-2	Manufacturer
		Guaranteed
66763	Calumet Brand 12-12	Manufacturer
		Guaranteed
67902	Calumet Brand 15-7½	Vine Grove Feed Co., Vine Grove.....
		Guaranteed
56766	Calumet Brand Half and Half	Manufacturer
		Guaranteed
67443	Calumet Brand 16% Acid Phosphate	Patrick Dillon, Hardinsburg.....
67444		D. S. Richardson, Brandenburg.....
		Guaranteed
66768	Calumet Brand 20% Acid Phosphate	Manufacturer
		Guaranteed
66769	Calumet Brand Raw Bone Meal	Manufacturer
		Guaranteed
66770	Calumet Brand Special Pure Bone Meal	Manufacturer
		Guaranteed
66771	Calumet Brand Kentucky Tobacco Grower	Manufacturer
		Guaranteed
67040	Calumet Brand "Nitrate of Soda"	■
		Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.60	0.70	9.30			0.60	0.88	1.07	3.12	0.74	25.3	67190
9.60	0.80	10.40			0.40	0.77	0.93	3.72		26.0	67746
8.00	1.00	9.00				0.82	1.00	4.00		24.5	
8.00						2.47	3.00		6.00	26.4	67030
11.05	1.30	12.35			0.85	2.35	2.85	4.46		37.8	66755
10.00	4.00	14.00				2.47	3.00	4.00		37.0	
13.20	1.20	14.40			0.43	1.45	1.76	8.19		43.9	66756
12.00	4.00	16.00				1.65	2.00	6.00		39.9	
12.50	2.10	14.60			0.74	1.60	1.94	2.10		31.8	66757
12.00	4.00	16.00				1.65	2.00	2.00		31.9	
16.50	2.50	19.00			0.99	1.90	2.31	2.35		40.0	66758
16.00	4.00	20.00				1.65	2.00	2.00		37.9	
9.50	1.10	10.60			0.44	1.54	1.87	2.68		27.8	66759
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
12.40	1.60	14.00						13.05		45.3	66763
12.00	4.00	16.00						12.00		43.6	
16.00	1.30	17.30						8.77		42.1	67902
15.00	4.00	19.00						7.50		39.1	
11.90	1.20	13.10			0.52	1.92	2.33	1.56		31.1	66766
6.00	6.00	12.00				2.06	2.50	1.00		23.7	
16.15	1.50	17.65								19.4	67443
16.35	0.55	16.90								19.6	67444
16.00	2.00	18.00								19.2	
20.90	1.50	22.40								25.1	66768
20.00	2.00	22.00								24.0	
		21.10	63	37	0.59	4.24	5.07			38.1	66769
		20.00				3.71	4.50			34.6	
		35.20	72	28		0.49	0.59			30.6	66770
		30.00				0.82	1.00			28.1	
9.70	1.00	10.70			0.42	1.39	1.69	8.03		38.0	66771
8.00	4.00	12.00				1.65	2.00	8.00		37.9	
						15.00	18.22			75.0	67040

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Consolidated Chemical Co., Louisville, Ky.	
67191	†Camel Brand Corn and Wheat Special	J. W. Sweeney, Waynesburg.....
67445		Grant North, Salt Lick.....
		Guaranteed
66985	Camel Brand Universal Crop Fertilizer	Manufacturer
		Guaranteed
66987	Camel Brand General Crop Fertilizer	Manufacturer
		Guaranteed
66988	Camel Brand One-Ten-One Fertilizer	Manufacturer
		Guaranteed
66989	Camel Brand One-Eight-Three Fertilizer	Manufacturer
		Guaranteed
66992	Camel Brand High Grade Special	Manufacturer
		Guaranteed
66993	Camel Brand Superior Tobacco Fertilizer	Manufacturer
		Guaranteed
66994	Camel Brand Standard Grain Fertilizer	Manufacturer
		Guaranteed
66997	Camel Brand Extra Special Tobacco Fertilizer	Manufacturer
		Guaranteed
67000	Camel Brand Truck and Tobacco Fertilizer	Manufacturer
		Guaranteed
37001	Camel Brand High Grade Tobacco Bed Special	Manufacturer
		Guaranteed
37002	Camel Brand Potash and Tobacco Fertilizer	Manufacturer
		Guaranteed
37003	Camel Brand High Grade Fertilizer	Manufacturer
		Guaranteed
67004	Camel Brand Corn, Wheat and Oats Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.70	0.50	12.20			0.53	0.78	0.95	1.20		24.1	67191
11.70	0.50	12.20			0.30	0.57	0.69	1.16		22.9	67445
11.00	3.00	14.00				0.41	0.50	1.00		21.8	
13.20	5.40	18.60			0.59	1.05	1.27	1.17		29.6	66985
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
11.20	7.50	18.70			0.51	1.00	1.21	2.08		29.0	66987
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
11.30	8.00	19.30			0.50	0.99	1.20	1.18		27.5	66988
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
9.00	9.60	18.60			0.59	1.10	1.34	3.20		29.2	66989
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
10.90	4.60	15.50			1.14	1.83	2.22	2.29		31.9	66992
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
9.10	6.40	15.50			1.21	1.87	2.27	0.60	4.97	36.7	66993
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
9.20	7.00	16.20			1.17	1.93	2.34	2.36		31.0	66994
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
11.10	1.80	12.90			1.78	2.76	3.35	0.48	2.87	37.9	66997
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.40	5.10	13.50			1.85	2.79	3.39	3.24		35.1	67000
8.00	4.00	12.00				2.47	3.00	3.00		32.0	
11.40	3.50	14.90			2.46	3.61	4.38			36.6	67001
10.00	4.00	14.00				3.29	4.00			33.1	
11.40	3.50	14.90			2.46	3.61	4.38			36.6	67002
10.00	4.00	14.00				3.29	4.00			33.1	
11.30	7.30	18.60			1.05	1.85	2.25			29.1	67003
10.00	4.00	14.00				1.65	2.00			24.9	
15.40	4.60	20.00			0.29	0.50	0.61			27.4	67004
14.00	4.00	18.00				0.41	0.50			24.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Consolidated Chemical Co.	
67005	Camel Brand Potash Tobacco Fertilizer	Manufacturer Guaranteed
67006	Camel Brand Phosphate and Potash Fertilizer	Manufacturer Guaranteed
67007	Camel Brand Extra High Grade Phosphate	Manufacturer Guaranteed
67196	Camel Brand High Grade Phosphate	W. B. Guky, Nancy.....
67197		J. R. Duncan and Bro., Monticello.....
67198		J. F. Collings, Shepherdsville..... Guaranteed
67009	Camel Brand Acid Phosphate	Manufacturer Guaranteed
67010	Camel Brand Steamed Bone	Manufacturer Guaranteed
67011	Camel Brand Raw Bone	Manufacturer Guaranteed
67017	Camel Brand Harvest King Fertilizer	Manufacturer Guaranteed
67693	Camel Brand Bone and Phosphate Mixture	Manufacturer Guaranteed
	Duncan and Sherley, La Grange, Ky.	
67081	Tiger Brand A-1 Tobacco Grower	Manufacturer Guaranteed
67455	Tiger Brand Phosphate and Tankage	Manufacturer's Warehouse.....
67748		Manufacturer's Warehouse..... Guaranteed
67749	Tiger Brand Phosphate	Manufacturer's Warehouse..... Guaranteed
67456	Tiger Brand Special Tobacco Grower	Manufacturer's Warehouse..... Guaranteed
67750	Tiger Brand Raw Bone Meal	Manufacturer's Warehouse..... Guaranteed
	The Empire Guano Co., Nashville, Tenn.	
66605	Climax Tobacco Grower	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.20	9.00	20.20						5.06		30.5	67005
10.00	2.00	12.00						5.00		25.8	
11.20	11.10	22.30						1.97		25.2	67006
10.00	2.00	12.00						2.00		19.8	
18.30	1.00	19.30								22.0	67007
18.00	2.00	20.00								21.6	
16.90	0.60	17.50								20.3	67196
17.05	0.50	17.55								20.5	67197
16.85	0.50	17.35								20.2	67198
16.00	2.00	18.00								19.2	
14.60	6.50	21.10								17.5	67009
14.00	2.00	16.00								16.8	
		31.70	80	20		1.04	1.26			30.6	67010
		30.00				1.03	1.25			29.2	
		23.30	50	50		4.59	5.57			41.6	67011
		22.00				3.71	4.50			36.2	
9.15	10.35	19.50			0.51	1.04	1.26	2.13		27.3	67017
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
13.30	9.90	23.20				1.16	1.41			29.7	67693
12.00	8.00	20.00				0.82	1.00			25.3	
8.40	5.50	13.90			1.22	2.47	3.00	6.52		40.2	67081
8.00	2.00	10.00				2.47	3.00	6.00		37.2	
11.60	6.20	17.80			0.36	1.20	1.46			25.9	67455
13.10	1.40	14.50			0.58	1.00	1.21			25.2	67748
12.00	2.00	14.00				0.82	1.00			22.9	
16.40	1.70	18.10								19.7	67749
16.00	2.00	18.00								19.2	
10.10	4.50	14.60				1.75	2.12		4.61	34.9	67456
10.00	2.00	12.00				1.65	2.00		4.00	32.1	
		22.70	46	54		4.13	5.01			38.8	67750
		22.00				3.71	4.50			36.2	
9.20	6.40	15.60			0.28	0.86	1.04		1.82	24.3	66605
8.00	5.00	13.00				0.82	1.00		1.00	20.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Empire Guano Co.	
67199	Red Banner Tobacco Grower	Farmer's Union Supply Co., Bowling Green
67459		Denton Mercantile Co., Hillsboro.....
		Guaranteed
66607	High Grade Tobacco Grower	Manufacturer
		Guaranteed
66609	Bright Leaf Tobacco Special	Manufacturer
		Guaranteed
66610	Blood, Bone and Potash	Manufacturer
		Guaranteed
67200	Kentucky Premium Guano	W. W. Owens, Jamestown.....
		Guaranteed
67461	Wheat and Corn Grower	Becksreek Farmers' Club, Williamsburg
		Guaranteed
36613	Standard Grain Grower	Manufacturer
		Guaranteed
66614	Bone and Potash	Manufacturer
		Guaranteed
66615	High Grade Potash Phosphate	Manufacturer
		Guaranteed
66616	High Grade Acid Phosphate	Manufacturer
		Guaranteed
67201	Climax Acid Phosphate	W. W. Owens, Jamestown.....
67202		Farmers' Union Supply Co., Bowling Green
67462		J. O. Scroggin, Brodhead.....
67752		J. H. Wyan, London.....
		Guaranteed
66618	Pure Raw Bone Meal	Manufacturer
		Guaranteed
66619	Half and Half (Raw Bone Meal and Acid Phosphate)	Manufacturer
		Guaranteed
67096	Kentucky Tobacco Grower	*
		Guaranteed
67678	Bone Meal and Acid Phosphate	*
		Guaranteed
67679	Bone Meal	*
		Guaranteed
	The Evansville Packing Co., Evansville, Ind.	
66568	Corn and Wheat Special	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.30	2.90	12.20			0.61	1.63	1.98	2.23		27.7	67199
8.50	4.10	12.60			0.66	1.59	1.93	2.81		28.0	67459
8.00	5.00	13.00				1.65	2.00		2.00	26.3	
8.80	1.55	10.35			1.49	2.16	2.62	0.56	4.93	35.6	66607
8.00	4.00	12.00				1.65	2.00		4.00	29.9	
10.15	2.25	12.40			1.24	1.89	2.29	0.44	0.78	28.0	66609
9.00	4.00	13.00				1.65	2.00		1.00	25.4	
9.60	2.80	12.40			0.91	2.10	2.55	3.01		32.0	66610
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
9.00	8.00	17.00				0.45	0.55	3.59		26.1	67200
8.00	5.00	13.00				0.41	0.50	4.00		24.1	
11.20	6.30	17.50			0.23	0.50	0.61	0.48	0.51	23.8	67461
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
13.70	2.85	16.55				0.51	0.62			24.2	66613
12.00	5.00	17.00				0.41	0.50			22.1	
11.10	12.30	23.40						3.24		28.1	66614
10.00	8.00	18.00						2.00		22.2	
11.20	11.30	22.50						5.43		32.2	66615
10.00	7.00	17.00						4.00		25.8	
15.10	6.80	21.90								18.1	66616
14.00	4.00	18.00								16.8	
17.00	4.30	21.30								20.4	67201
18.65	2.20	20.85								22.4	67202
16.45	4.00	20.45								19.7	67462
16.80	3.60	20.40								20.2	67752
16.00	2.00	18.00								19.2	
		21.35	52	48		3.99	4.84			37.0	66618
		20.00				3.71	4.50			34.6	
12.15	10.70	22.85				1.98	2.40			32.4	66619
10.00	10.00	20.00				1.85	2.25			28.3	
8.00	3.00	11.00				2.47	3.00		6.00	37.6	67096
12.00	8.00	20.00				0.82	1.00			25.3	67678
		24.00				2.47	3.00			31.6	67679
12.25	0.45	12.70			1.57	1.57	1.91	5.25		36.9	66568
12.00						0.82	1.00	3.00		28.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Evansville Packing Co.	
37463	Tobacco Special	Atherton, Kidd and Co., Livermore.... Guaranteed
67464	Half and Half Mixture	Atherton, Kidd and Co., Livermore.... Guaranteed
66571	Farmer's Special	Manufacturer
67465	Potato and Tobacco Grower	Guaranteed
67466		Irrington Hardware and Implement Co., Irrington
67467	Special Ten-Ten	Eldred Hardware Co., Princeton..... Guaranteed
66574	Grain Booster	Irrington Hardware and Implement Co., Irrington
66575	Golden Harvest	Guaranteed
66576	Wonder Growth	Manufacturer
67468	Three "B"	Guaranteed
67469		J. H. Brown, Cloverport.....
66578	Dark Patch Special	Eldred Hardware Co., Princeton..... Guaranteed
66579	Phosphate and Potash	Manufacturer
66580	Pure Raw Bone Meal	Guaranteed
67470	High Grade Acid Phosphate	Manufacturer
	Farmers Union Supply Co., of Ky., Louisville, Ky.	Guaranteed
67033	Farmers Union Truck and Tobacco Fertilizer	Atherton, Kidd and Co., Livermore.... Guaranteed
67036	Farmers' Union Acid Phosphate .	Manufacturer
	Federal Chemical Co., Inc., Louis- ville, Ky.	Guaranteed
67203	†Plant Bed Special	McClure and Simms, Springfield..... Guaranteed
66809	Standard Grain Grower	Manufacturer
37476	Ammoniated Potash Ten	Guaranteed
		Guenther Hardware Co., Owensboro... Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.70	0.80	10.50			2.73	3.12	3.79	3.99		38.5	67463
10.00						3.29	4.00	4.00		39.5	
9.30	1.00	10.30			2.19	2.53	3.07	1.24		29.5	67464
10.00						2.47	3.00	1.00		29.4	
11.90	0.50	12.40			1.99	2.19	2.66	3.66		36.3	66571
12.00						1.65	2.00	2.00		30.3	
7.50	0.80	8.30			1.42	1.67	2.03	5.68		31.3	67465
8.30	1.00	9.30			1.58	1.58	1.92	6.01		32.8	67466
8.00						1.65	2.00	5.00		30.3	
10.00	0.50	10.50							9.91	35.0	67467
10.00								10.00		35.0	
8.70	0.30	9.00			1.39	1.59	1.93	2.74		26.6	66574
8.00						0.82	1.00	1.00		18.1	
8.35	0.30	8.65			1.45	1.45	1.76	4.96		29.8	66575
8.00						0.82	1.00	3.00		22.1	
10.55	0.40	10.95			2.00	2.24	2.72			27.2	66576
10.00						1.65	2.00			23.3	
8.10	0.90	9.00			1.37	1.37	1.66	2.26		23.9	67468
8.90	0.60	9.50			1.58	1.58	1.92	1.88		25.3	67469
8.00						1.65	2.00	2.00		24.3	
10.35	0.30	10.65			2.55	2.89	3.51	5.47		41.0	66578
10.00						2.47	3.00	3.00		33.4	
9.20	1.40	10.60						12.92		40.2	66579
10.00								2.00		19.0	
		25.45	40	60	0.46	3.73	4.53			39.0	66580
		23.00				3.71	4.50			37.0	
15.90	0.70	16.60								19.1	67470
16.00										19.2	
		.									
8.75	3.50	12.25			1.82	2.75	3.34	0.68	6.07	41.8	67033
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
17.10	2.50	19.60								20.5	67036
16.00	2.00	18.00								19.2	
10.40	1.90	12.30			1.75	2.28	2.77	3.37		34.5	67203
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
12.50	0.70	13.20			1.59	1.59	1.93	2.47		31.9	66809
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
8.70	1.70	10.40			0.34	0.66	0.80	10.03		37.1	67476
8.00	4.00	12.00				0.82	1.00		10.00	37.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67204	Federal Chemical Co., Inc. Tobacco Truck and Tomato Fertilizer	Harmon and McNaly, Junction City... Guaranteed
66812	Potato Maker and Tobacco Fertilizer	Manufacturer Guaranteed
66814	Premium High Grade Fertilizer	Manufacturer Guaranteed
67206	†Special Tobacco Maker	Lake Bros., Springfield..... Guaranteed
67754	†Beef, Blood and Bone	Grayson County Supply Co., Leitchfield Guaranteed
67207	†Loam Land Fertilizer	C. Cardell, Pine Knot.....
67478		Randolph Brothers and Co., Bandana... Guaranteed
66818	Mid-West High Grade Mixture	Manufacturer Guaranteed
67210	†Special Tobacco and Potato Grower	Stewart's Cash Grocery, Horse Cave...
37479		Goodman Bros., Shelbyville..... Guaranteed
66821	A-1 Fertilizer	Manufacturer Guaranteed
66823	A-1 Formula	Manufacturer Guaranteed
66824	High Grade Fertilizer	Manufacturer Guaranteed
66825	A-1 Soluble Vegetable Manure	Manufacturer Guaranteed
66826	A-1 Potato Grower	Manufacturer Guaranteed
67903	Standard Meal Mixture	Lonnie Jackson, Caneyville..... Guaranteed
66829	Potash Special	Manufacturer Guaranteed
66831	Potash Compound	Manufacturer Guaranteed
66832	Black Land Special	Manufacturer Guaranteed
67486	†20% Phosphate	M. G. Parman, London..... Guaranteed
66834	Extra Grade Phosphate	Manufacturer Guaranteed
66836	A. A. Phosphate	Manufacturer Guaranteed

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.	
67216	†Best Burley Tobacco Grower	McClure and Simms, Springfield.....
67037	2-8-3 Formula	Guaranteed
		Manufacturer
67375	Nitrate of Soda	Guaranteed
		Manufacturer
67690	Fine Raw Bone	Guaranteed
		Manufacturer
66837	Daybreak A-1 Champion	Guaranteed
		Manufacturer
66839	Daybreak Cracker-Jack	Guaranteed
		Manufacturer
66840	Daybreak Special	Guaranteed
		Manufacturer
66841	Royal Wheat and Grain Special	Guaranteed
		Manufacturer
66842	Daybreak Special Manure	Guaranteed
		Manufacturer
66843	Daybreak Tobacco Manure	Guaranteed
		Manufacturer
66844	Daybreak Favorite	Guaranteed
		Manufacturer
66845	Standard Crop and Tobacco Grower	Guaranteed
		Manufacturer
66846	Daybreak Tobacco Grower	Guaranteed
		Manufacturer
66847	Daybreak Vegetable Grower	Guaranteed
		Manufacturer
66849	Red Rooster Mixture	Guaranteed
		Manufacturer
66850	Daybreak Nitro-Phosphate	Guaranteed
		Manufacturer
66851	Royal Meal Mixture	Guaranteed
		Manufacturer
66852	Daybreak Half and Half Meal Mix- ture	Guaranteed
		Manufacturer
66853	Daybreak Potash Special	Guaranteed
		Manufacturer
67490	Daybreak Potash Mixture	Guaranteed
		Mack Moore, Morehead.....
66855	Daybreak Phosphate and Potash	Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.25	1.75	10.00			0.77	1.67	2.03	6.12	1.96	37.6	67216
8.00	4.00	12.00				1.65	2.00		7.50	36.9	
9.30	0.70	10.00			2.52	2.52	3.06		4.85	36.5	67037
8.00	4.00	12.00				1.65	2.00		3.00	27.9	
						15.28	18.55			76.4	67375
						15.00	18.22			75.0	
		24.60	60	40		4.04	4.90			39.9	67690
		24.00				2.88	3.50			33.6	
15.10	0.50	15.60			0.93	0.93	1.13	1.13		29.8	66837
11.50	4.00	15.50				0.41	0.50	0.50		21.9	
15.05	0.70	15.75			0.80	0.80	0.97	1.48		29.8	66839
13.00	4.00	17.00				0.41	0.50	1.00		25.2	
13.90	0.40	14.30			0.78	0.78	0.95		6.27	37.5	66840
11.00	4.00	15.00				0.41	0.50		5.00	30.2	
14.80	0.60	15.40			1.33	1.33	1.61	1.97		33.0	66841
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66842
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66843
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
13.80	0.50	14.30			1.31	1.31	1.62	4.18		35.8	66844
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
10.95	0.55	11.50			1.16	1.16	1.41		4.58	31.6	66845
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
10.75	0.45	11.20			2.22	2.22	2.70	3.23		33.9	66846
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
11.20	0.30	11.50			2.09	2.09	1.54		5.75	38.9	66847
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
15.40	0.70	16.10			0.85	0.85	1.03			27.6	66849
12.00	4.00	16.00				0.41	0.50			21.7	
17.70	0.70	18.40			0.75	0.75	0.91			30.6	66850
15.00	4.00	19.00				0.41	0.50			26.2	
13.70	8.10	21.80			1.16	1.16	1.41			29.6	66851
10.00	10.00	20.00				0.82	1.00			23.1	
11.30	10.00	21.30			1.91	1.91	2.32			30.5	66852
10.00	10.00	20.00				1.65	2.00			27.3	
12.70	0.70	13.40						3.12		25.6	66853
10.00	2.00	12.00						2.00		19.8	
9.30	3.80	13.10						4.06		23.6	67490
10.00	2.00	12.00						4.00		23.8	
15.70	1.10	16.80						3.54		31.1	66855
12.00	2.00	14.00						2.00		22.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.	
67221	Daybreak High Grade Phosphate	S. O. Powell, Gilpin.....
67222		Lake Bros., Springfield.....
67223		A. W. Tartar, Columbia.....
67761		Lake Bros., Springfield.....
67762		Grayson County Supply Co., Leitchfield
		Guaranteed
66857	Daybreak Royal Phosphate	Manufacturer
		Guaranteed
66858	Daybreak Standard Phosphate	Manufacturer
		Guaranteed
66859	Daybreak Special Phosphate Mixture	Manufacturer
		Guaranteed
67224	†Daybreak Raw Bone	Ricey Wilson, Nancy.....
		Guaranteed
66861	1st Prize Corn and Wheat Champion	Manufacturer
		Guaranteed
66862	1st Prize Corn, Wheat and Oats Grower	Manufacturer
		Guaranteed
66863	1st Prize Grain Maker	Manufacturer
		Guaranteed
66864	1st Prize Special	Manufacturer
		Guaranteed
66865	1st Prize Wheat and Grain Special	Manufacturer
		Guaranteed
66866	Blue Ribbon Corn and Wheat Grower	Manufacturer
		Guaranteed
66867	Blue Ribbon Tobacco Grower	Manufacturer
		Guaranteed
66868	1st Prize Formula	Manufacturer
		Guaranteed
67492	†1st Prize Crop and Tobacco Grower	Farmers' Union Supply Co., Russellville
		Guaranteed
66870	1st Prize Tobacco and Vegetable Grower	Manufacturer
		Guaranteed
66871	1st Prize Phosphate Mixture	Manufacturer
		Guaranteed
66872	1st Prize Ammoniated Bone Phosphate	Manufacturer
		Guaranteed
66873	Mogul Corn and Wheat Fertilizer	Manufacturer
		Manufacturer

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
17.30	0.80	18.10								20.8	67221
17.65	0.55	18.20								21.2	67222
17.05	1.50	18.55								20.5	67223
16.30	0.90	17.20								19.6	67761
16.30	1.00	17.30								19.6	67762
16.00	2.00	18.00								19.2	
16.85	5.00	21.85								20.2	66857
14.00	2.00	16.00								16.8	
15.10	0.50	15.60								18.1	66858
12.00	2.00	14.00								14.4	
12.40	10.40	22.80								14.9	66859
10.00	10.00	20.00								12.0	
		21.80	59	41	0.39	4.05	4.92			37.7	67224
		22.00				3.71	4.50			36.2	
15.10	0.50	15.60			0.93	0.93	1.13	1.13		29.8	66861
11.50	4.00	15.50				0.41	0.50	0.50		21.9	
14.00	0.50	14.50			0.73	0.73	0.89	1.78		28.4	66862
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
15.05	0.70	15.75			0.80	0.80	0.97	1.48		29.8	66863
13.00	4.00	17.00				0.41	0.50	1.00		25.2	
13.90	0.40	14.30			0.78	0.78	0.95		6.27	37.5	66864
11.00	4.00	15.00				0.41	0.50		5.00	30.2	
14.80	0.60	15.40			1.33	1.33	1.61	1.97		33.0	66865
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66866
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66867
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
13.80	0.50	14.30			1.31	1.31	1.62	4.18		35.8	66868
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
9.60	2.00	11.60			0.36	0.73	0.89	3.78		26.4	67492
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
9.80	0.80	10.60			1.94	1.94	2.36	0.64	7.20	40.4	66870
8.00	4.00	12.00				1.23	1.50		6.00	31.8	
15.40	0.70	16.10			0.85	0.85	1.03			27.6	66871
12.00	4.00	16.00				0.41	0.50			21.7	
17.70	0.70	18.40			0.75	0.75	0.91			30.6	66872
15.00	4.00	19.00				0.41	0.50			26.2	
14.30	0.70	15.00			1.37	1.37	1.66			28.6	66873
12.00	4.00	16.00				0.82	1.00			23.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66874	Federal Chemical Co., Inc. Blue Ribbon Meal Mixture	Manufacturer Guaranteed
67493	1st Prize High Grade Phosphate	Farmers' Union Supply Co., Russellville
67764		Farmers' Union Supply Co., Russellville
66876	1st Prize Phosphate	Guaranteed
66877	1st Prize Standard Phosphate	Manufacturer
66878	1st Prize Special Phosphate Mixture	Guaranteed
		Guaranteed
	Fox Chemical Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	
66880	Fox Ideal Fertilizer	Manufacturer
67226	Fox Blood, Bone Phosphate and Potash	Guaranteed
67227		N. B. Triplett, Waynesburg.....
66882	Red Fox Grain and Grass Grower	T. Z. Leachman, Greensburg.....
67766	Fox Soil Builder	Guaranteed
66884	Fox High Grade Special	Manufacturer
66885	Fox Wheat and Grain Special	Guaranteed
67228	Fox Early Harvest	Manufacturer
67494	Early Harvest Tobacco Grower	Guaranteed
67495	Fox Crop and Tobacco Grower	John Messingale, Gapereek.....
67767	Fox Wheat and Corn Manure	Guaranteed
67231	Fox Tobacco Grower	D. S. French, Whitesville.....
67496		Guaranteed
67497		Staggs Bros., Vanceburg.....
66892	Fox Wheat and Corn Grower	Guaranteed
		Manufacturer
		Guaranteed
		E. M. Holloway, Franklin.....
		Guaranteed
		N. B. Triplett, Waynesburg.....
		D. S. French, Whitesville.....
		K. J. McKinney, Brodhead.....
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.30	10.00	21.30			1.91	1.91	2.32			30.5	66874
10.00	10.00	20.00				1.65	2.00			27.3	
16.50	2.10	18.60								19.8	67493
16.80	1.20	18.00								20.2	67764
16.00	2.00	18.00								19.2	
16.85	5.00	21.85								20.2	66876
14.00	2.00	16.00								16.8	
15.10	0.50	15.60								18.1	66877
12.00	2.00	14.00								14.4	
12.40	10.40	22.80								14.9	66878
10.00	10.00	20.00								12.0	
15.10	0.50	15.60			0.93	0.93	1.13	1.13		29.8	66880
11.50	4.00	15.50				0.41	0.50	0.50		21.9	
11.50	2.60	14.10				0.46	0.56	1.08		22.8	67226
12.35	1.05	13.40				0.36	0.44	0.95		22.7	67227
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
14.00	0.50	14.50			0.73	0.73	0.89	1.78		28.4	66882
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
13.60	2.60	16.20			0.21	0.42	0.51	0.88		25.3	67766
13.00	4.00	17.00				0.41	0.50	1.00		25.2	
13.90	0.40	14.30			0.78	0.78	0.95		6.27	37.5	66884
11.00	4.00	15.00				0.41	0.50		5.00	30.2	
14.80	0.60	15.40			1.33	1.33	1.61	1.97		33.0	66885
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
11.55	1.65	13.20			0.33	0.86	1.04	1.78		25.9	67228
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
9.95	3.60	13.55			0.29	0.85	1.03	1.92		24.5	67494
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
8.40	3.80	12.20			0.39	0.84	1.02	4.20		26.7	67495
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
8.80	2.60	11.40			0.53	1.33	1.61	3.11		27.1	67767
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
8.35	3.55	11.90			1.03	1.48	1.80	2.16		25.7	67231
8.20	3.20	11.40			0.50	1.64	1.99	1.84		25.5	67496
9.20	2.60	11.80			0.73	1.32	1.60	1.82		25.1	67497
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
12.85	0.65	13.50			2.25	2.25	2.73	3.04		36.9	66892
10.00	4.00	14.00				1.65	2.00	2.00		28.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Fox Chemical Co., Br. Federal Chem. Co., Inc.	
66893	Fox Vegetable Grower	Manufacturer Guaranteed
67232	†Fox Special Tobacco Grower	T. Z. Leachman, Greensburg..... Guaranteed
66895	Red Fox Mixture	Manufacturer Guaranteed
66896	Fox Ammoniated Phosphate	Manufacturer Guaranteed
66897	Fox Half and Half Meal Mixture	Manufacturer Guaranteed
66898	Fox Potash Special	Manufacturer Guaranteed
66899	Fox Bone Phosphate and Potash	Manufacturer Guaranteed
66900	Fox Bone Phosphate	Manufacturer Guaranteed
67233	Fox High Grade Phosphate	Peoples' Store, Loretto..... N. B. Triplett, Waynesburg..... K. J. McKinney, Brodhead..... N. B. Triplett, Waynesburg..... B. L. Despain, Summerville..... E. M. Holloway, Temperance..... Guaranteed
67234		Manufacturer Guaranteed
67499		Manufacturer Guaranteed
67768		Manufacturer Guaranteed
67769		Manufacturer Guaranteed
67770		Manufacturer Guaranteed
66902	Fox Phosphate	Manufacturer Guaranteed
67771	†Fox Standard Phosphate	B. L. Despain, Summerville..... Guaranteed
66904	Fox Special Phosphate Mixture	Manufacturer Guaranteed
	Ford Motor Co., Detroit, Mich.	
67501	Ford Ammonium Sulphate	J. B. Taylor and Son, Lewisport..... Truet and Richards, Morganfield..... Guaranteed
67772		Guaranteed
	Globe Fertilizer Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	
66906	Globe Good Grower Fertilizer	Manufacturer Guaranteed
67235	†Globe Blood, Bone Phosphate and Potash	W. H. Lyons, Loretto..... R. W. Strong, Bond..... The Jenkins-Essex Co., Elizabethtown.. Guaranteed
67502		Guaranteed
67904		Jas. A. Rice, Adairville..... Guaranteed
67774	†Globe Grain and Grass Grower	Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.20	0.30	11.50			2.09	2.09	1.54		5.75	38.9	66893
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
8.90	1.25	10.15			0.71	1.57	1.91	3.44	2.48	33.5	67232
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
15.40	0.70	16.10			0.85	0.85	1.03			27.6	66895
12.00	4.00	16.00				0.41	0.50			21.7	
17.70	0.70	18.40			0.75	0.75	0.91			30.6	66896
15.00	4.00	19.00				0.41	0.50			26.2	
11.30	10.00	21.30			1.91	1.91	2.32			30.5	66897
10.00	10.00	20.00				1.65	2.00			27.3	
12.70	0.70	13.40						3.12		25.6	66898
10.00	2.00	12.00						2.00		19.8	
11.70	0.70	12.40						6.21		30.3	66899
10.00	2.00	12.00						4.00		23.8	
15.70	1.10	16.80						3.54		31.1	66900
12.00	2.00	14.00						2.00		22.8	
17.15	1.50	18.65								20.6	67233
16.25	1.80	18.05								19.5	67234
16.20	1.90	18.10								19.4	67499
16.40	1.00	17.40								19.7	67768
16.20	0.90	17.10								19.4	67769
15.25	2.60	17.85								18.3	67770
16.00	2.00	18.00								19.2	
16.85	5.00	21.85								20.2	66902
14.00	2.00	16.00								16.8	
12.50	0.60	13.10								15.0	67771
12.00	2.00	14.00								14.4	
12.40	10.40	22.80								14.9	66904
10.00	10.00	20.00								12.0	
						20.80	25.26			104.0	67501
						20.80	25.26			104.0	67772
						20.80	25.26			104.0	
15.10	0.50	15.60			0.93	0.93	1.13	1.13		29.8	66906
11.50	4.00	15.50				0.41	0.50	0.50		21.9	
12.30	3.40	15.70				0.41	0.50	0.76		23.4	67235
11.40	2.60	14.00				0.39	0.47	1.19		22.5	67502
12.05	2.85	14.90				0.40	0.49	1.20		23.6	67904
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
12.45	2.70	15.15			0.20	0.42	0.51	0.81		23.5	67774
11.00	4.00	15.00				0.41	0.50	1.00		22.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fertilizer Co., Br. Federal Chem. Co., Inc.	
67505	Globe Money Maker	Dr. Gravely, Brodhead..... Guaranteed
66910	Globe H. Gr. Special	Manufacturer
67506	†Globe Wheat and Grain Special	Guaranteed
67236	†Progress Corn and Wheat Grower	Randolph Bros. and Co., Bandana..... Guaranteed
67237		H. C. Rogers, Russell Springs..... B. F. Phelps, Esto.
66913	Progress Tobacco Grower	Guaranteed
67239	†Universal Crop and Tobacco Grower	Manufacturer
67507		Guaranteed
67240	†Big Four Tobacco Grower	E. F. Pearson, Franklin..... Jas. I. Rice, Adairville..... Guaranteed
66918	Globe Wheat Grower	Stewart's Cash Grocery, Horse Cave... Guaranteed
67243	†Kentucky Tobacco Maker	Manufacturer
66920	Globe Soluble Vegetable Manure	Guaranteed
67244	†Ky. Standard Tobacco Grower	Manufacturer
67513	†Globe Special Tobacco Grower	Guaranteed
67515	Globe Gold Medal Mixture	E. F. Pearson, Franklin..... Guaranteed
66924	Globe Grain-O-Phosphate	R. F. Collier and Co., Paris..... Guaranteed
66925	Globe Half and Half Meal Mixture	A. B. Lander, Lafayette
67777	Globe Potash Special	Guaranteed
66927	Globe Bone Phosphate and Potash	Manufacturer
66928	Globe Potash Compound	Guaranteed
67245	Globe High Grade Phosphate	Manufacturer
67246		Guaranteed
67778		C. F. Shaw, Cave City
67779		W. H. Lyons, Loretto.....
67780		J. M. Turner, Columbia..... I. K. Miller and Sons, Campbellsville... Harvey Stout and Sons, Fern Creek.... H. D. Jones, Glasgow..... Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
14.55	0.60	15.15				0.35	0.42	0.94		25.7	67505
13.00	4.00	17.00				0.41	0.50	1.00		25.2	
13.90	0.40	14.30			0.78	0.78	0.95		6.27	37.5	66910
11.00	4.00	15.00				0.41	0.50		5.00	30.2	
11.80	4.65	16.45			0.29	0.63	0.76	1.13		25.0	67506
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
10.90	3.15	14.05			0.42	0.77	0.93	1.77		25.0	67236
11.05	3.35	14.40			0.37	0.74	0.90	1.82		25.3	67237
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66913
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
8.85	2.40	11.25			0.46	0.81	0.98	4.87		28.0	67239
8.30	2.05	10.35			0.35	0.93	1.13	5.76		29.4	67507
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
8.20	3.85	12.05			1.28	1.74	2.11	2.90		28.3	67240
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
12.60	0.90	13.50			2.20	2.20	2.67	3.27		37.0	66918
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
10.75	1.25	12.00			1.11	1.60	1.94	2.76		30.2	67243
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
11.20	0.30	11.50			2.09	2.09	1.54		5.75	38.9	66920
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
9.85	2.30	12.15			1.34	1.56	1.89	5.61		34.7	67244
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
8.50	2.05	10.55			1.85	2.51	3.05	5.16	4.84	46.1	67513
8.00	4.00	12.00				2.47	3.00		10.00	46.0	
13.30	2.65	15.95			0.22	0.57	0.69			23.9	67515
12.00	4.00	16.00				0.41	0.50			21.7	
17.70	0.70	18.40			0.75	0.75	0.91			30.6	66924
15.00	4.00	19.00				0.41	0.50			26.2	
11.30	10.00	21.30			1.91	1.91	2.32			30.5	66925
10.00	10.00	20.00				1.65	2.00			27.3	
11.40	0.70	12.10						1.55		20.5	67777
10.00	2.00	12.00						2.00		19.8	
11.70	0.70	12.40						6.21		30.3	66927
10.00	2.00	12.00						4.00		23.8	
15.70	1.10	16.80						3.54		31.1	66928
12.00	2.00	14.00						2.00		22.8	
16.00	2.30	18.30								19.2	67245
17.00	1.50	18.50								20.4	67246
17.35	1.25	18.60								20.8	67247
15.95	1.15	17.10								19.1	67778
16.85	1.55	18.40								20.2	67779
16.20	2.10	18.30								19.4	67780
16.00	2.00	18.00								19.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fertilizer Co., Br. Federal Chem. Co., Inc.	
67516	Globe Phosphate	C. L. Dudley, Flemingsburg.....
67781		I. K. Miller and Sons, Campbellsville..
		Guaranteed
67782	Globe Standard Phosphate	I. K. Miller and Sons, Campbellsville..
		Guaranteed
67248	Globe Special Phosphate Mixture	G. C. Prather, Somerset.....
		Guaranteed
67249	†Globe Raw Bone	E. F. Pearson, Franklin.....
		Guaranteed
	Groves Fertilizer Works (The Joslin-Schmidt Co.) Cincinnati, O.	
67784	Square Brand 2-12-2	I. K. Miller and Sons, Campbellsville...
		Guaranteed
67518	†Square Brand 3-8-6	Minges Hardware Co., Newport.....
		Guaranteed
66713	Square Brand 0-10-10	Manufacturer
		Guaranteed
67785	Square Brand 1-8-4	I. K. Miller and Sons, Campbellsville..
		Guaranteed
67786	Square Brand 0-10-4	J. C. Everett and Co., Maysville.....
		Guaranteed
66716	Square Brand 1-10-2	Manufacturer
		Guaranteed
67519	16% Acid Phosphate	F. H. Gordon, Richmond.....
67787		Farm Bureau, Bowling Green.....
67788		I. K. Miller and Sons, Campbellsville..
		Guaranteed
66718	20% Acid Phosphate	Manufacturer
		Guaranteed
66720	Bone and Potash Mixture	Manufacturer
		Guaranteed
66722	Raw Bone	Manufacturer
		Guaranteed
	Hall Seed Co., Louisville, Ky.	
66673	Halco 14% Acid Phosphate	Manufacturer
		Guaranteed
66674	Halco 16% Acid Phosphate	Manufacturer
		Guaranteed
66675	Halco Special Tobacco Grower	Manufacturer
		Guaranteed
66676	Halco Corn and Wheat Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
14.00	2.90	16.90								16.8	67516
13.80	1.20	15.00								16.6	67781
14.00	2.00	16.00								16.8	
12.50	1.00	13.50								15.0	67782
12.00	2.00	14.00								14.4	
10.85	13.75	24.60								13.0	67248
10.00	10.00	20.00								12.0	
		22.85	55	45	0.56	3.96	4.81			38.1	67249
		22.00				3.71	4.50			36.2	
12.20	2.20	14.40			0.82	1.62	1.97	1.92		31.1	67784
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
9.25	1.35	10.60			1.18	2.25	2.73	5.80		37.3	67518
8.00	1.00	9.00				2.47	3.00	6.00		36.8	
10.45	1.20	11.65						11.96		40.1	66713
10.00	1.00	11.00						10.00		35.4	
8.40	2.10	10.50			0.30	0.86	1.04	4.00		25.7	67785
8.00	1.00	9.00				0.82	1.00	4.00		24.5	
10.40	0.90	11.30						3.57		23.1	67786
10.00	1.00	11.00			0.44	0.99	1.20	4.00		23.4	
11.20	1.65	12.85				0.82	1.00	2.78		28.0	66716
10.00	1.00	11.00						2.00		23.5	
17.30	1.40	18.70								20.8	67519
17.80	1.00	18.80								21.4	67787
16.20	2.10	18.30								19.4	67788
16.00	1.00	17.00								19.2	
20.75	1.90	22.65								24.9	66718
20.00	1.00	21.00								24.0	
13.40	7.95	21.35			0.45	0.96	1.17	6.28		40.6	66720
10.00	10.00	20.00				0.82	1.00	5.00		33.1	
		24.05	35	65		4.14	5.03			39.9	66722
		22.00				3.71	4.50			36.2	
13.40	2.80	16.20								16.1	66673
14.00	1.00	15.00								16.8	
16.50	1.75	18.25								19.8	66674
16.00	1.00	17.00								19.2	
9.60	3.40	12.00			0.57	0.57	0.69	1.22		21.1	66675
8.00	1.00	9.00				0.41	0.50	1.00		16.5	
10.70	2.80	13.50			0.50	0.99	1.20			22.1	66676
10.00	1.00	11.00				0.82	1.00			19.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hall Seed Co.	
66677	Halco Tobacco Grower	Manufacturer
		Guaranteed
66678	Halco Potato Grower	Manufacturer
		Guaranteed
66679	Halco Potato and Tobacco Grower	Manufacturer
		Guaranteed
66680	Halco Vegetable Grower	Manufacturer
		Guaranteed
66681	Halco High Grade Vegetable Grower	Manufacturer
		Guaranteed
66682	Halco Half Bone and Phosphate	Manufacturer
		Guaranteed
66683	Halco Bone Meal	Manufacturer
		Guaranteed
66684	Halco Raw Bone	Manufacturer
		Guaranteed
66723	Halco 20% Acid Phosphate	Manufacturer
		Guaranteed
	Hopkins Fertilizer Co., New Albany, Ind.	
66738	Ammoniated Special	Manufacturer
		Guaranteed
67521	Wheat and Corn Grower No. 1	W. A. Davis and Son, Jeffersontown...
67522		Johnson Lumber and Supply Co., Buechel
67789		Emmitt Scherer, Monticello
67790		L. M. Uphurch, Burnside
		Guaranteed
66740	Red Banner Special	Manufacturer
		Guaranteed
67250	General Crop Grower	Geo. W. Richardson, Somerset
		Guaranteed
67523	Superior	W. L. Kimbrough, Guthrie
67524		R. A. Newton and Co., Shelbyville
		Guaranteed
67251	Burley Grower	W. S. Allen, Liberty
67525		W. A. Davis and Son, Jeffersontown...
67526		R. A. Newton and Co., Shelbyville
		Guaranteed
67527	Truck, Potato and Tobacco Grower	R. A. Newton and Co., Shelbyville
		Guaranteed
67907	Blackland Special	Crawford and Snyder, Milton
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.15	2.50	12.65			0.46	0.84	1.02	2.31		25.1	66677
10.00	1.00	11.00				0.82	1.00	2.00		23.5	
9.90	2.10	12.00			1.03	1.72	2.09			24.3	66678
10.00	1.00	11.00				1.65	2.00			23.7	
8.60	2.20	10.80			1.13	1.83	2.22	1.00	2.13	29.2	66679
8.00	1.00	9.00				1.65	2.00	3.00		26.7	
10.55	1.50	12.05			2.21	3.49	4.24			33.9	66680
10.00	1.00	11.00				3.29	4.00			31.9	
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66681
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
10.75	11.20	21.95				0.99	1.21			25.6	66682
10.00	10.00	20.00				0.82	1.00			23.1	
		26.30	77	23	0.32	2.59	3.14			34.0	66683
		27.00				2.47	3.00			34.0	
		22.25	82	18	0.32	4.14	5.03			38.5	66684
		22.00				3.71	4.50			36.2	
20.80	1.60	22.40								25.0	66723
20.00	1.00	21.00								24.0	
9.65	2.40	12.05			3.64	3.64	4.42			33.6	66738
10.00	2.00	12.00				3.29	4.00			32.3	
11.85	1.50	13.35			0.27	0.51	0.62		2.20	25.3	67521
10.85	1.00	11.85				0.44	0.53	1.48	0.51	22.9	67522
10.60	1.70	12.30			0.20	0.57	0.69	1.98		23.4	67789
10.20	1.40	11.60			0.21	0.50	0.61	1.60	0.61	22.8	67790
10.00	2.00	12.00				0.41	0.50	2.00		21.9	
7.65	1.85	9.50			0.97	0.97	1.18	2.97		23.0	66740
8.00	2.00	10.00				0.82	1.00	3.00		22.9	
11.85	1.75	13.60			0.84	1.77	2.15	2.67		32.7	67250
12.00	2.00	14.00				1.65	2.00	2.00		31.1	
10.30	3.00	13.30			1.04	1.88	2.28	4.75		35.6	67523
9.90	3.00	12.90			0.49	1.61	1.95	4.79		33.7	67524
10.00	2.00	12.00				1.65	2.00	4.00		32.1	
7.85	8.80	16.65			1.22	2.30	2.79	5.98		38.8	67251
8.75	5.05	13.80			1.29	2.47	3.00	6.82		41.1	67525
8.35	3.10	11.45			1.24	2.52	3.06	6.15		38.7	67526
8.00	2.00	10.00				2.47	3.00	6.00		37.2	
9.25	3.60	12.85			1.93	2.70	3.28	3.86		36.5	67527
10.00	2.00	12.00				2.47	3.00	3.00		34.2	
10.90	0.40	11.30						5.76	0.49	29.0	67907
10.00	2.00	12.00						6.00		27.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66746	Hopkins Fertilizer Co. Two In One	Manufacturer Guaranteed
67528	Half and Half No. 1	W. S. Overstreet, La Grange..... Guaranteed
67252	Climax Acid Phosphate	W. S. Allen, Liberty.....
67253		Coral Tarter, Nancy.....
67792		R. L. St. Clair, Campbellsville..... Guaranteed
67793	Potato Grower	Johnson Lumber and Supply Co., Buechel
66751	Nitrate of Soda	Guaranteed
67794	Steamed Bone	Manufacturer Guaranteed
67529	Pure Raw Bone	Emmett Scherer, Monticello..... Guaranteed
67530		Johnson Lumber and Supply Co., Buechel
67795		Duncan and Sherley, La Grange.....
67796		Emmett Scherer, Monticello.....
67908		Johnson Lumber and Supply Co., Buechel
	International Agricultural Corpora- tion, Inc., Cincinnati, O.	Crawford and Snyder, Milton..... Guaranteed
67531	I. A. C. Tobacco and Truck Grower	W. E. Ellis and Bro., Hartford.....
67532		Standard Feed and Grocery Co., Liver- more
67254	I. A. C. Potato and Tobacco Grower	Guaranteed
67256	I. A. C. A-1 Tobacco Fertilizer	McKenzie and Herrin, Eubank..... Guaranteed
67533		C. M. Langdon, Science Hill.....
66636	I. A. C. High Grade Fertilizer	John L. Hart, Cynthia..... Guaranteed
66637	I. A. C. Standard Fertilizer	Manufacturer Guaranteed
67257	I. A. C. Complete Fertilizer	Manufacturer Guaranteed
67258	I. A. C. Old Kentucky Special	McKenzie and Herrin, Eubank..... Guaranteed
67259		W. B. Gover, Hustonville.....
		C. M. Langdon, Science Hill..... Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
7.25	11.55	18.80			0.64	1.75	2.12	2.08		28.4	66746
8.00	8.00	16.00				1.65	2.00	2.00		27.5	
6.55	5.65	12.20			0.58	1.86	2.26	1.33		24.1	67528
6.00	6.00	12.00				1.65	2.00	1.00		21.7	
18.30	1.00	19.30								22.0	67252
16.00	4.70	20.70								19.2	67253
16.60	1.30	17.90								19.9	67792
16.00	2.00	18.00								19.2	
8.30	4.10	12.40			0.20	1.74	2.11	3.10		29.0	67793
8.00	2.00	10.00				1.65	2.00	3.00		27.1	
						15.58	18.92			77.9	66751
		22.85	62	38	0.41	15.00	18.21			75.0	
		22.00				2.31	2.80			29.8	67794
						2.47	3.00			30.0	
		21.90	54	46		3.74	4.54			36.2	67529
		22.40	43	57	0.23	4.08	4.95			38.3	67530
		20.80	21	79	0.53	4.59	5.57			39.6	67795
		21.80	47	53	0.29	3.81	4.63			36.5	67796
		21.00	68	32	0.43	3.63	4.41			35.0	67908
		21.50				3.50	4.25			34.7	
8.50	3.80	12.30			0.80	1.71	2.08	1.52	8.01	41.9	67531
8.40	3.90	12.30			0.55	1.65	2.00	0.88	9.34	42.9	67532
8.00	4.00	12.00				1.65	2.00		10.00	41.9	
8.20	4.10	12.30			1.39	2.36	2.87	0.72	5.17	37.5	67254
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
11.25	3.80	15.05			1.12	1.63	1.98	0.60	3.48	34.7	67256
10.25	4.35	14.60			0.98	1.71	2.08		4.41	34.5	67533
10.00	4.00	14.00				1.65	2.00		4.00	32.9	
11.35	3.10	14.45			0.89	1.77	2.15	2.22		31.6	66636
12.00	4.00	16.00				1.65	2.00	2.00		31.9	
7.70	4.35	12.05			1.01	1.74	2.11	2.28		26.6	66637
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
7.80	3.75	11.55			0.47	0.91	1.10	5.10		28.0	67257
8.00	4.00	12.00				0.82	1.00	4.00		25.7	
8.00	4.15	12.15			0.54	0.82	1.00	2.08		21.9	67258
8.70	4.20	12.90			0.44	0.85	1.03	2.51		24.0	67259
8.00	5.00	13.00				0.82	1.00	2.00		22.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corporation, Inc.	
66641	I. A. C. High Grade Special	Manufacturer
67800	I. A. C. 20% Acid Phosphate	Guaranteed
67262	I. A. C. Standard Acid Phosphate	J. R. Davis and Bros., Campbellsville..
67263		Guaranteed
67536		C. M. Langdon, Science Hill.....
67801		McKenzie and Herrin, Eubank.....
67802		W. E. Ellis and Bro., Hartford.....
67803		C. M. Langdon, Science Hill.....
		J. W. Bratcher, Berea.....
66645	I. A. C. Bone Mixture	J. R. Davis and Bro., Campbellsville..
		Guaranteed
67067	Henderson's High Grade Tobacco Grower	Manufacturer
		Guaranteed
67068	Henderson's High Grade Acid Phosphate	Manufacturer
		Guaranteed
67538	Buffalo Tobacco and Potato Grower	Manufacturer
67539		Guaranteed
67264	†Buffalo High Grade Tobacco Special	Leslie Cook, Williamstown.....
67541		J. W. Hardyman, Mt. Carmel.....
		Guaranteed
67544	†Buffalo Tobacco and Corn Grower	Geo. W. Richardson, Somerset.....
		W. E. Ellis and Bro., Hartford.....
66652	Buffalo Complete Fertilizer	Guaranteed
		J. W. Hardyman, Mt. Carmel.....
67265	†Buffalo Corn and Grain Grower	Guaranteed
67547		Manufacturer
		Guaranteed
67548	Buffalo High Grade Plant Food	J. G. Warriner, Waynesburg.....
		Jop Cash, Brodhead.....
66656	Buffalo 20% Acid Phosphate	Guaranteed
		V. B. Nuckols, Elkton
67266	Buffalo 16% Acid Phosphate	Guaranteed
67549		Manufacturer
67550		Guaranteed
67804		Geo. W. Richardson, Somerset
67805		London Hardware Co., London
67806		V. B. Nuckols, Elkton
		Boone County Farm Bureau, Florence.
		London Hardware Co., London
		Geo. W. Richardson, Somerset
		Guaranteed

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corporation, Inc.	
66658	Buffalo Special Bone and Phosphate	Manufacturer
		Guaranteed
67551	Buffalo Bone Meal	V. B. Nuckols, Elkton
		Guaranteed
66660	Muriate of Potash	Manufacturer
		Guaranteed
66661	Nitrate of Soda	Manufacturer
		Guaranteed
	The Jarecki Chemical Co., (Armour owned), Louisville, Cincinnati, Nashville.	
67552	Jarecki 16% Acid Phosphate	C. L. Dudley, Flemingsburg
		Guaranteed
66473	Jarecki 20% Acid Phosphate	Manufacturer
		Guaranteed
66474	Jarecki 1-8-1 Fertilizer	Manufacturer
		Guaranteed
66475	Jarecki 1-12-1 Fertilizer	Manufacturer
		Guaranteed
67553	Jarecki 2-8-2 Fertilizer	C. L. Dudley, Flemingsburg
		Guaranteed
66477	Jarecki 2-12-0 Fertilizer	Manufacturer
		Guaranteed
67554	Jarecki 2-12-2 Fertilizer	Farmers Union Supply Co., Lawrenceburg
		Guaranteed
66479	Jarecki 2-10-4 Fertilizer	Manufacturer
		Guaranteed
67555	Jarecki 0-12-4 Fertilizer	Oscar Tuncil, West Clifty
		Guaranteed
66482	Jarecki 3-27 Bone Meal	Manufacturer
		Guaranteed
36483	Jarecki Raw Bone	Manufacturer
		Guaranteed
36484	Jarecki Dark Tobacco Grower	Manufacturer
		Guaranteed
66486	Jarecki Potato Grower	Manufacturer
		Guaranteed
66487	Jarecki Plant Bed Special	Manufacturer
		Guaranteed
66669	Jarecki 2-12-6 Fertilizer	Manufacturer
		Guaranteed
66670	Jarecki 0-10-10 Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		24.50	81	19	0.52	0.89	1.08			23.9	66658
		22.00				0.82	1.00			21.7	
		26.60	77	23	0.44	1.58	1.92			29.2	67551
		27.00				1.65	2.00			29.9	
								53.20		106.4	66660
								50.00		100.0	
					15.48	18.78				77.4	66661
					15.00	18.21				75.0	
15.80	1.45	17.25								19.0	67552
16.00	1.00	17.00								19.2	
20.80	1.60	22.40								25.0	66473
20.00	1.00	21.00								24.0	
9.20	4.40	13.60			0.53	0.92	1.12	1.11		22.4	66474
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
13.00	2.10	15.10			0.63	0.84	1.02	1.33		27.2	66475
12.00	1.00	13.00				0.82	1.00	1.00		24.5	
7.85	1.45	9.30			1.16	1.62	1.97	2.02		24.5	67553
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
13.20	2.70	15.90			1.31	1.98	2.40			30.8	66477
12.00	1.00	13.00				1.65	2.00			26.7	
12.25	1.15	13.40			1.26	1.58	1.92	1.99		30.7	67554
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
10.60	2.40	13.00			1.26	1.86	2.26	3.94		34.0	66479
10.00	1.00	11.00				1.65	2.00	4.00		31.7	
12.50	0.70	13.20						2.88	1.61	28.0	67555
12.00	1.00	13.00						4.00		26.4	
		26.30	77	23	0.32	2.59	3.14			36.6	66482
		27.00				2.47	3.00			34.0	
		22.25	82	18	0.32	4.14	5.03			42.6	66483
		22.00				3.71	4.50			36.2	
10.90	5.10	16.00			1.11	1.64	1.99		3.39	33.4	66484
8.00	1.00	9.00				1.65	2.00		4.00	28.7	
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66486
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
8.30	2.80	11.10			2.43	3.36	4.08		3.10	36.6	66487
8.00	1.00	9.00				3.29	4.00		3.00	34.9	
12.35	1.85	14.20			1.12	1.71	2.08	5.99		39.8	66669
12.00	1.00	13.00				1.65	2.00	6.00		38.7	
10.80	2.95	13.75						11.57		40.5	66670
10.00	1.00	11.00						10.00		35.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Jarecki Chemical Co., (Armour Owned)	
66671	Jarecki 1-8-4 Fertilizer	Manufacturer Guaranteed
67557	Indian Brand Tobacco and Potato Food	Fremd and Donovan, Eminence Guaranteed
	Ky. Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	
66934	O. K. Special Mixture	Manufacturer Guaranteed
67808	O. K. Grain Grower	Smith and Smith, Shepherdsville Guaranteed
66936	O. K. Corn, Wheat and Oats Grower	Manufacturer Guaranteed
66937	O. K. Old Reliable	Manufacturer Guaranteed
66938	O. K. Special	Manufacturer Guaranteed
67558	O. K. Wheat and Grain Special	Boone County Farm Bureau, Florence..
67559		Chiles and Thompson, Mt. Sterling.... Guaranteed
66940	O. K. Corn and Wheat Grower	Manufacturer Guaranteed
66943	O. K. Crop and Tobacco Grower	Manufacturer Guaranteed
67561	Golden Leaf Tobacco Grower	J. E. Smith, Dixon Guaranteed
66945	O. K. Tobacco and Vegetable Grower	Manufacturer Guaranteed
66946	O. K. Mixture	Manufacturer Guaranteed
66947	O. K. Ammoniated Phosphate	Manufacturer Guaranteed
66948	O. K. Half and Half Meal Mixture	Manufacturer Guaranteed
66949	O. K. Potash Special	Manufacturer Guaranteed
67270	O. K. High Grade Phosphate	Smith and Smith, Shepherdsville Chiles and Thompson, Mt. Sterling...
67562		Lonnie Jackson, Caneyville
67563		Smith and Smith, Shepherdsville.....
67809		Lonnie Jackson, Caneyville
67909		Guaranteed
66951	O. K. Phosphate	Manufacturer Guaranteed

TABLE I.

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TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Ky. Fert. Co., Br. Federal Chem. Co., Inc.	
67271	O. K. Standard Phosphate	Smith and Smith, Shepherdsville.....
67810		Smith and Smith, Shepherdsville.....
		Guaranteed
66953	O. K. Special Phosphate Mixture	Manufacturer
		Guaranteed
	Knoxville Fertilizer Co., Knoxville, Tenn.	
67085	Dark Tobacco Brand	Manufacturer
		Guaranteed
67086	Knox High Grade Fertilizer	Manufacturer
		Guaranteed
67087	Knox Home Grower	Manufacturer
		Guaranteed
67272	Basic Ten-O-Four	W. W. Taylor, Somerset
67564		Barnett Bros., London
67565		The Auburn Mills, Auburn
67811		Barnett Bros., London
67812		W. W. Taylor, Somerset
		Guaranteed
67273	Knox Magnesia Phosphate	W. W. Taylor, Somerset
67566		Barnett Bros., London
67567		The Auburn Mills, Auburn
67813		Barnett Bros., London
67814		W. W. Taylor, Somerset
		Guaranteed
67274	†Bright Burley Brand	W. W. Taylor, Somerset
		Guaranteed
67815	Knox Grain Grower	W. W. Taylor, Somerset
		Guaranteed
67685	Knox Blood and Bone	Manufacturer
		Guaranteed
	Louisville Fertilizer Co., (Armour owned) Louisville, Cincinnati, Nashville.	
67275	Louisville 16% Acid Phosphate	R. J. Wilcox, Greensburg
67276		Liberty Hardware Co., Liberty
67277		Pyles and Burton, Columbia
67816		Hurst, Brown Hardware Co., Bardstown
67817		J. T. Brown, Spurlington
67818		Elkins and Kimmel, Greenville.....
		Guaranteed

TABLE I.

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TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., (Armour Owned)	
67278	Louisville 1-8-1 Fertilizer	Liberty Hardware Co., Liberty
67569		N. D. Tabor, Olive Hill
		Guaranteed
67279	Louisville 1-12-1 Fertilizer	Arthur Hardwick, Kidder
		Guaranteed
67820	†Louisville 2-8-2 Fertilizer	Hurst, Brown Hardware Co., Bardstown
		Guaranteed
66443	Louisville 2-12-0 Fertilizer	Manufacturer
		Guaranteed
66444	Louisville 2-12-2 Fertilizer	Manufacturer
		Guaranteed
66445	Louisville 2-10-4 Fertilizer	Manufacturer
		Guaranteed
67280	Louisville 0-12-4 Fertilizer	W. T. Sullivan, Gentry's Mill
67821		J. T. Brown, Spurlington
		Guaranteed
67822	Louisville 3-27 Bone Meal	J. T. Shadoan, Somerset
		Guaranteed
67823	Louisville Raw Bone	J. T. Brown, Spurlington
		Guaranteed
67571	Louisville Dark Tobacco Grower	D. L. D. Sandefur, Beaver Dam
67572		Elkins and Kimmel, Greenville
		Guaranteed
67282	†Louisville Burley Tobacco Grower	Liberty Hardware Co., Liberty
		Guaranteed
66452	Louisville Potato Grower	Manufacturer
		Guaranteed
66454	Louisville Black Patch Special	Manufacturer
		Guaranteed
66667	Louisville Superior Tobacco Grower	Manufacturer
		Guaranteed
67078	Louisville 4-12-0 Fertilizer	*
		Guaranteed
67686	Louisville 17% Acid Phosphate	Manufacturer
		Guaranteed
67574	Special Tobacco Grower	S. A. Browning, Vanceburg
		Guaranteed
	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Virginia-Carolina Chem. Co.) Memphis, Nashville	
67284	Mt. Pleasant Big Winner Acid Phosphate	Thomas and Hinton, Bowling Green...
67577		M. D. Pemberton, Clay
		Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66693	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Va.-Car. Chem. Co.) Mt. Pleasant 24% Acid Phosphate	Manufacturer Guaranteed
66694	Mt. Pleasant Special Tobacco Grower	Manufacturer Guaranteed
67578	Mt. Pleasant Black Patch Tobacco Grower	Ed. G. Scruggs, Adairville Guaranteed
67285	Mt. Pleasant High Grade Tobacco Grower	Thomas and Hinton, Bowling Green... Guaranteed
66697	Mt. Pleasant Grain Grower	Manufacturer Guaranteed
67580	Mt. Pleasant Corn Special	M. D. Pemberton, Clay Guaranteed
66699	Black Patch Universal	Manufacturer Guaranteed
67286	Mt. Pleasant Superior Tobacco Grower	Thomas and Hinton, Bowling Green... M. D. Pemberton, Clay Guaranteed
67581		
66701	Mt. Pleasant Superior Burley Grower	Manufacturer Guaranteed
67582	Mt. Pleasant Burley Special	Ed. G. Scruggs, Adairville Guaranteed
66703	Mt. Pleasant Burley Tobacco Grower	Manufacturer Guaranteed
66705	Mt. Pleasant 10-4-4	Manufacturer Guaranteed
67824	Grigsby's Special	Grigsby and Co., Bardstown Guaranteed
67094	Black Patch Mt. Pleasant Soluble Bone	Manufacturer Guaranteed
	New Louisville Rendering Co., Inc., Louisville, Ky.	
67584	Pure Animal Matter, Meat, Bones and Blood	R. T. Kirkman, Elkton Guaranteed
67093	Pure Bone Meal	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
24.60	0.50	25.10								29.5	66693
24.00	2.00	26.00								28.8	
8.35	11.25	19.60			1.74	1.74	2.11	2.09		29.9	66694
8.00	4.00	12.00				1.23	1.50	1.50		22.8	
7.60	15.80	23.40			0.32	0.46	0.56	1.11		22.2	67578
7.00	9.00	16.00				0.41	0.50	1.00		18.2	
9.75	8.00	17.75			1.48	1.70	2.06	3.47		33.3	67285
8.00	4.00	12.00				1.65	2.00	3.00		27.9	
9.70	10.55	20.25			0.49	1.39	1.69			25.7	66697
8.00	10.00	18.00				1.23	1.50			22.2	
13.80	5.00	18.80			0.69	0.96	1.17			27.5	67580
12.00	4.00	16.00				0.82	1.00			23.7	
11.05	7.90	18.95			1.39	1.73	2.10			28.4	66699
10.00	6.00	16.00				1.65	2.00			24.9	
9.25	12.40	21.65						4.27		27.4	67286
9.20	11.10	20.30						4.02		26.3	67581
8.00	4.00	12.00						4.00		21.6	
8.15	9.35	17.50			1.46	2.04	2.48	2.69		31.6	66701
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.10	9.60	19.70			0.56	0.77	0.93	2.92	0.56	29.8	67582
8.00	3.00	11.00				0.82	1.00	1.00		25.3	
11.70	8.20	19.90			1.35	1.88	2.28			30.2	66703
12.00	3.00	15.00				1.65	2.00			27.5	
10.05	2.60	12.65			2.90	3.27	3.97	4.83		42.1	66705
10.00	2.00	12.00				3.29	4.00	4.00		40.3	
10.65	8.55	19.20			0.60	0.87	1.06	1.15		26.1	67824
10.00	2.00	12.00				0.82	1.00	1.00		21.9	
11.90	10.70	22.60								14.3	67094
12.00	8.00	20.00								14.4	
		12.80	77	23	0.69	6.07	7.37			40.6	67584
		10.00				4.00	4.86			28.0	
		23.10	63	37	0.46	3.58	4.35			36.4	67093
		22.00				3.50	4.25			35.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66662	Nitrate Agencies Co., New Orleans, Louisiana Nitrate of Soda	Manufacturer Guaranteed
67041	Plant Marvel Laboratories, Columbus, Ohio Plant Marvel, Formula "B"	Manufacturer Guaranteed
67287	Price Chemical Co., Inc., Louisville, Ky. †Special Corn and Wheat Fertilizer	Snow and Grubb, Kidd's Store Guaranteed
66956	Universal Crop Fertilizer	Manufacturer Guaranteed
66958	General Crop Fertilizer	Manufacturer Guaranteed
66960	One-Eight-Three Fertilizer	Manufacturer Guaranteed
67589	†Ky. Blue Grass Tobacco Special	J. W. Nall, Clay Guaranteed
66963	High Grade Special	Manufacturer Guaranteed
66964	Old Time Grain Fertilizer	Manufacturer Guaranteed
66965	Old Time Tobacco Fertilizer	Manufacturer Guaranteed
66966	Superior Tobacco Fertilizer	Manufacturer Guaranteed
66967	Extra Special Tobacco Fertilizer	Manufacturer Guaranteed
66970	Truck and Tobacco Fertilizer	Manufacturer Guaranteed
66972	Potato and Tobacco Fertilizer	Manufacturer Guaranteed
66973	High Grade Fertilizer	Manufacturer Guaranteed
66974	Victory Grain Special	Manufacturer Guaranteed
66975	Grain and Grass Grower	Manufacturer Guaranteed
67594	Potash Tobacco Fertilizer	Lonnie Jackson, Caneyville Guaranteed
67292	Phosphate and Potash	J. C. Holt, Irvine's Store Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
						15.28 15.00	18.54 18.21			76.4 75.0	66662
25.35 26.25	1.35	26.70			12.30	12.59 12.35	15.28 15.00		19.02 17.00	139.6 135.1	67041
12.55 11.00	0.70 4.00	13.25 15.00			0.39	0.63 0.41	0.76 0.50	1.19 1.00		24.6 22.2	67287
13.50 12.00	4.70 4.00	18.20 16.00			0.48	0.96 0.82	1.17 1.00	1.09 1.00		29.1 25.7	66956
11.45 10.00	7.30 4.00	18.75 14.00			0.50	0.96 0.82	1.17 1.00	2.09 2.00		29.1 24.7	66958
9.10 8.00	9.90 4.00	19.00 12.00			0.45	0.97 0.82	1.18 1.00	3.07 3.00		28.6 23.7	66960
9.30 8.00	0.70 4.00	10.00 12.00			1.00	1.25 1.23	1.52 1.50	0.56 4.00	3.26	28.1 27.8	67589
11.50 10.00	4.30 4.00	15.80 14.00			1.12	1.85 1.65	2.25 2.00	2.37 2.00		33.0 28.9	66963
9.55 8.00	7.35 4.00	16.90 12.00			1.10	1.86 1.65	2.26 2.00	2.27 2.00		31.1 25.9	66964
9.55 8.00	7.35 4.00	16.90 12.00			1.19	1.89 1.65	2.29 2.00	0.68 2.00	1.62	31.3 25.9	66965
8.50 8.00	5.70 4.00	14.20 12.00			1.05	1.81 1.65	2.20 2.00	0.64 5.00	5.11	35.6 31.9	66966
10.80 10.00	1.90 4.00	12.70 14.00			1.80	2.75 2.47	3.34 3.00	0.72 3.00	2.71 3.00	37.6 35.0	66967
8.95 8.00	4.80 4.00	13.75 12.00			1.80	2.80 2.47	3.40 3.00	3.33 3.00		35.0 32.0	66970
10.50 10.00	3.65 4.00	14.15 14.00			2.41	3.69 3.29	4.48 4.00			35.7 33.1	66972
11.50 10.00	6.70 4.00	18.20 14.00			1.06	1.90 1.65	2.31 2.00			29.4 24.9	66973
15.05 14.00	4.65 4.00	19.70 18.00			0.28	0.40 0.41	0.59 0.50			26.9 24.7	66974
9.35 8.00	12.70 4.00	22.05 12.00			0.31	0.60 0.41	0.73 0.50	0.99 1.00		24.1 17.7	66975
10.50 10.00	0.50 2.00	11.00 12.00						4.56 5.00		25.1 25.8	67594
10.50 10.00	0.80 2.00	11.30 12.00						1.76 2.00		19.6 19.8	67292

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66978	Price Chemical Co., Inc. Extra High Grade Phosphate	Manufacturer Guaranteed
67293	High Grade Phosphate	J. C. Holt, Irvine's Store
67595		O. C. O'Brien, Hillsboro
67830		Grigsby and Co., Bardstown
67831		Madison County Farm Bureau, Richmond
67832		D. L. D. Sandefur, Beaver Dam
67833	Acid Phosphate	Guaranteed
66981	Steamed Bone	I. K. Miller and Sons, Campbellsville..
66983	Acid Phosphate	Guaranteed
67376	Potash Tobacco Grower	Manufacturer
	Rasin Monumental Co., (Subsidiary of Va-Car, Chem. Co., Inc.) Cincinnati, Nashville, Memphis	Guaranteed
67294	Rasin's 16% Acid Phosphate	Manufacturer
67597		Guaranteed
67836		H. A. Spradlin, Monticello
67837		J. P. Page, Barlow
67295	Rasin's 20% Acid Phosphate	J. H. Wyan, London
67296	Rasin's 24% Acid Phosphate	H. A. Spradlin, Monticello
66794	Rasin's 10-5 Acid and Potash	Guaranteed
66795	Rasin's Royal Grain Grower	H. A. Spradlin, Monticello
67598	Rasin's Special Plant Food	Guaranteed
67838	Rasin's Reliable Wheat and Corn Fertilizer	Manufacturer
67839		Guaranteed
67297	Rasin's Big Giant Phosphate	J. H. Wyan, London
66799	Rasin's General Favorite	H. A. Spradlin, Monticello
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
18.20	0.80	19.00								21.8	66978
18.00	2.00	20.00								21.6	
16.90	0.90	17.80								20.3	67293
16.70	0.90	17.60								20.0	67595
16.85	0.60	17.45								20.2	67830
16.95	0.70	17.65								20.3	67831
17.30	0.75	18.05								20.8	67832
16.00	2.00	18.00								19.2	
15.15	0.65	15.80								18.2	67833
14.00	2.00	16.00								16.8	
		31.50	85	15		1.06	1.29			30.5	66981
		30.00				1.03	1.25			29.2	
12.65	9.50	22.15								15.2	66983
12.00	2.00	14.00								14.4	
11.10	0.40	11.50							7.40	31.6	67376
10.00	2.00	12.00							5.00	25.8	
19.30	0.80	20.10								23.2	67294
18.00	1.40	19.40								21.6	67597
17.95	0.75	18.70								21.5	67836
17.85	0.65	18.50								21.4	67837
16.00	1.50	17.50								19.2	
23.60	1.00	24.60								28.3	67295
20.00	1.50	21.50								24.0	
26.20	1.20	27.40								31.4	67296
24.00	1.50	25.50								28.8	
11.30	0.90	12.20						3.76	3.17	31.2	66794
10.00	1.50	11.50						5.00		25.6	
14.10	1.40	15.50						0.52	2.52	27.8	66795
12.00	1.50	13.50						2.00		22.6	
12.90	2.50	15.40			1.21	1.55	1.88			28.0	67598
12.00	1.50	13.50				1.65	2.00			26.9	
7.25	1.10	8.35			0.69	0.89	1.08	2.03		19.8	67838
7.80	1.45	9.25			0.61	0.83	1.01	1.83		20.1	67839
8.00	1.50	9.50				0.82	1.00	2.00		20.7	
7.80	2.20	10.00			0.65	0.94	1.14	3.11		23.5	67297
8.00	1.50	9.50				0.82	1.00	3.00		22.7	
11.10	1.90	13.00			1.84	2.08	2.53	5.28		38.4	66799
8.00	1.50	9.50				1.65	2.00	2.00		24.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Rasin Monumental Co., (Subsidiary of Va.-Car. Chem. Co., Inc.)	
67599	Rasin's Sweepstakes Fertilizer	J. H. Wyan, London
67840		J. H. Wyan, London
		Guaranteed
66801	Rasin's Truck and Tobacco Fertilizer	Manufacturer
		Guaranteed
67298	Rasin's 2-8-4 Tobacco Grower (Potash from Sulfate)	H. A. Spradlin, Monticello
67600		Martin and Hodgkin Supply Co., Winchester
		Guaranteed
67299	Rasin's Burley Tobacco Grower (Potash from Sulfate)	
		Farm Bureau, Elizabethtown
		Guaranteed
66804	Rasin's Phosphate and Bone Meal	Manufacturer
		Guaranteed
66805	Rasin's Pure Bone Meal	Manufacturer
		Guaranteed
66806	Rasin's Raw Bone Meal	Manufacturer
		Guaranteed
	Read Phosphate Co., Nashville, Tenn.	
67300	Read's Ky. Tobacco Grower	Barren Co. Grocery and Hdw. Co., Glasgow
67601		J. W. Hardyman, Mt. Carmel
67602		Young Hardware Co., Hopkinsville...
67841		J. H. Jasper, Somerset
		Guaranteed
67603	Read's Standard Tobacco Grower	Farmers Union Supply Co., Carlisle...
67604		Young Hardware Co., Hopkinsville...
		Guaranteed
67301	Read's High Grade Tobacco Grower	I. K. Miller and Sons, Campbellsville..
67605		D. S. Beard and Co., Hardinsburg
67606		Woodford Spears and Sons, Paris
67842		Finley Hardware Co., Madisonville...
		Guaranteed
66585	Read's Special Burley Tobacco Grower	Manufacturer
		Guaranteed
66586	Read's Bright Leaf Tobacco Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
13.10	2.40	15.50			1.33	1.67	2.03	1.98		32.9	67599
12.55	1.90	14.45			1.22	1.63	1.98	1.85		31.4	67840
12.00	1.50	13.50				1.65	2.00	2.00		30.9	
11.20	1.80	13.00			1.65	2.80	3.40			31.5	66801
9.00	1.50	10.50				2.47	3.00			26.5	
8.60	1.10	9.70			1.36	1.58	1.92	0.84	3.22	29.4	67298
9.30	1.50	10.80			1.36	1.58	1.92	0.64	3.09	29.9	67600
8.00	1.50	9.50				1.65	2.00		4.00	28.9	
8.20	1.40	9.60			1.95	2.33	2.83		6.07	36.7	67299
8.00	1.50	9.50				2.47	3.00		6.00	37.0	
9.80	13.80	23.60			0.30	1.14	1.38			25.9	66804
10.00	12.00	22.00				0.82	1.00			23.9	
		26.25	77	23		2.40	2.91			33.0	66805
		22.00				2.47	3.00			30.0	
		22.95	100			3.90	4.73			37.9	66806
		20.00				3.71	4.50			34.6	
7.50	9.70	17.20			0.75	1.26	1.53	1.78		25.0	67300
7.30	15.50	22.80			0.34	0.94	1.14	1.42		24.7	67601
8.90	10.70	19.60			0.49	1.14	1.38	0.88	0.42	28.5	67602
8.30	8.25	16.55			0.34	0.93	1.13	0.68	0.87	23.5	67841
8.00	5.00	13.00				0.82	1.00		1.00	20.1	
8.70	5.60	14.30			1.06	1.69	2.05	2.35		28.4	67603
7.75	3.70	11.45			0.69	1.80	2.19	1.80	0.85	27.4	67604
8.00	5.00	13.00				1.65	2.00		2.00	26.3	
8.85	5.45	14.30			0.90	1.59	1.93	4.14		31.7	67301
8.40	3.00	11.40			0.49	1.67	2.03	1.84	2.53	30.9	67605
7.80	7.40	15.20			0.90	1.60	1.94	1.72	2.34	30.8	67606
7.75	11.70	19.45			0.41	1.29	1.57	4.21		31.2	67842
8.00	4.00	12.00				1.65	2.00		4.00	29.9	
8.75	1.75	10.50			2.10	2.61	3.17		5.75	38.4	66585
8.00	3.00	11.00				2.47	3.00		5.00	35.6	
10.15	2.25	12.40			1.24	1.89	2.29	0.44	0.78	28.0	66586
9.00	4.00	13.00				1.65	2.00		1.00	25.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co.	
67302	Read's Red Diamond Tobacco Grower	J. H. Jasper, Somerset Guaranteed
67843	Read's Premium Grain Grower	J. H. Jasper, Somerset Guaranteed
67304	†Read's Corn and Wheat Grower	J. H. Jasper, Somerset
67305		Thomas Bryant, Columbia
67306		Blankenship and Richards, Jamestown Guaranteed
67307	Read's Farmers Special Manure	W. W. Owens, Jamestown
67609		J. S. Hamblin and Son, Auburn
67845		J. H. Jasper, Somerset Guaranteed
67308		W. I. Calhoun, Dent
67309	†Read's Kentucky Special	Cunningham and Richards, Wells Cross Roads
67847		U. L. Antle, Columbia
		Guaranteed
67848	Read's Blood and Bone No. 1	J. H. Jasper, Somerset Guaranteed
66595		Manufacturer
67611	†Read's High Grade Potash Mixture	Guaranteed
67910		A. H. Dawson, Owingsville
66597	Read's High Grade Acid Phosphate	Eldred Hardware Co., Princeton
		Guaranteed
67310	Read's Special High Grade Acid Phosphate	Manufacturer
67311		Guaranteed
67312		G. W. Richardson, Somerset
67850		Thomas Bryant, Columbia
67851		J. H. Jasper, Somerset
67852		U. L. Antle, Columbia
		Hines and Estes, Science Hill
67613	Read's Premium Acid Phosphate	G. C. Rowan, Livermore
		Guaranteed
67313	Read's Pure Raw Bone Meal	Farmers Union, Lancaster
67314		Guaranteed
67614		J. H. Jasper, Somerset
67853		Harry Lazarus, Bowling Green
67854		Young Hardware Co., Hopkinsville
		J. H. Jasper, Somerset
		Hollingsworth Young Hardware Co., Bowling Green
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.10	3.30	14.40			2.20	3.41	4.14			35.0	67302
10.00	4.00	14.00				3.29	4.00			33.1	
11.65	2.70	14.35			0.84	1.65	2.00	2.46		31.7	67843
12.00	4.00	16.00				1.65	2.00	2.00		31.9	
11.20	5.40	16.60			0.56	1.09	1.32	3.35		32.1	67304
14.30	4.10	18.40				0.47	0.57	0.96		27.4	67305
13.40	5.30	18.70				0.52	0.63	0.91		26.6	67306
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
10.70	4.30	15.00			0.34	0.99	1.20	2.72		28.2	67307
9.50	6.20	15.70			0.47	1.03	1.25	3.60		29.1	67609
10.70	2.80	13.50				0.86	1.04	3.04	0.71	29.0	67845
10.00	4.00	14.00				0.82	1.00	3.00		26.7	
10.20	6.00	16.20				0.51	0.62	3.84		27.9	67308
8.70	8.30	17.00				0.52	0.63	3.68		26.3	67309
8.50	8.80	17.30			0.21	0.60	0.73	2.96	0.98	27.1	67847
8.00	5.00	13.00				0.41	0.50	4.00		24.1	
9.85	4.45	14.30			1.09	2.21	2.68	2.57		32.8	67848
8.00	4.00	12.00				1.65	2.00		2.00	25.9	
11.10	12.30	23.40						3.24		28.1	66595
10.00	8.00	18.00						2.00		22.2	
9.80	10.90	20.70						4.15		27.4	67611
12.70	7.10	19.80						4.72	0.88	33.1	67910
10.00	8.00	18.00						4.00		26.2	
15.10	6.80	21.90								18.1	66597
14.00	4.00	18.00								16.8	
19.50	1.70	21.20								23.4	67310
20.00	1.30	21.30								24.0	67311
17.00	4.10	21.10								20.4	67312
17.15	3.35	20.50								20.6	67850
17.40	3.30	20.70								20.9	67851
17.40	3.60	21.00								20.9	67852
16.00	2.00	18.00								19.2	
18.20	4.60	22.80								21.8	67613
18.00	1.00	19.00								21.6	
		22.50	50	50	0.28	3.75	4.55			36.8	67313
		22.50	52	48	0.65	3.89	4.72			37.5	67314
		20.50	53	47	0.44	4.01	4.87			36.5	67614
		21.15	58	42	0.31	3.64	4.42			35.1	67853
		21.80	54	46	0.24	3.27	3.97			33.8	67854
		20.00				3.71	4.50			34.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66601	Read Phosphate Co. Read's Half and Half (Raw Bone Meal and Acid Phosphate)	Manufacturer Guaranteed
67315	Read's Nitrate of Soda	Barren County Grocery and Hardware Co., Glasgow
67615		Young Hardware Co., Hopkinsville Guaranteed
67316	Read's XXX Acid Phosphate	W. I. Calhoun, Dent.....
67855		U. L. Antle, Columbia
67317	Read's High Grade Tobacco and Truck Grower	Guaranteed
67858	Red Diamond 20% Acid Phosphate	Harry Lazarus, Bowling Green Guaranteed
67616	Old Kentucky Tobacco Special	U. L. Antle, Columbia
67859	Bone Meal and Acid Phosphate	Guaranteed
67860	Bone Meal	Farmers Union, Lancaster
	St. Matthews Produce Exchange, St. Matthews, Ky.	Guaranteed
67012	Potato Grower	J. H. Jasper, Somerset
	The Smith Agricultural Chemical Co., Columbus, O.	Guaranteed
67052	Smith's Standard 2-12-6	J. H. Jasper, Somerset
67053	Smith's Standard 2-12-2	Guaranteed
67055	Smith's Standard 16%	Manufacturer
67056	Smith's Standard 20%	Guaranteed
67057	Smith's 1-8-7	Manufacturer
67058	Smith's 1-8-4	Guaranteed
67059	Smith's 1-8-2	Manufacturer
67060	Smith's 10-2	Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
12.15	10.70	22.85				1.98	2.40			32.4	66601
10.00	10.00	20.00				1.85	2.25			28.3	
						14.78	17.94			73.9	67315
						15.38	18.68			76.9	67615
						15.00	18.22			75.0	
15.80	5.60	21.40								19.0	67316
13.40	7.25	20.65								16.1	67855
12.00	2.00	14.00								14.4	
8.50	2.60	11.10			0.90	1.64	1.99	1.80	7.78	41.2	67317
8.00	5.00	13.00				1.65	2.00		8.00	38.3	
19.40	2.45	21.85								23.3	67858
20.00	2.00	22.00								24.0	
8.00	8.20	16.20			1.77	2.71	3.29	5.68		40.2	67616
8.00	3.00	11.00				2.47	3.00			37.6	
11.65	10.20	21.85			0.45	1.19	1.44		6.00	27.5	67859
12.00	8.00	20.00				0.82	1.00			25.3	
		26.50	60	40	0.94	2.30	2.79			32.7	67860
		24.00				2.47	3.00			31.6	
8.00	2.00	10.00				2.47	3.00	6.00		37.2	67012
11.80	1.35	13.15			1.14	1.59	1.93	6.01		38.2	67052
12.00						1.65	2.00	6.00		38.3	
11.70	1.50	13.20			1.14	1.63	1.98	2.00		30.3	67053
12.00						1.65	2.00	2.00		30.3	
16.60	1.10	17.70								19.9	67055
16.00										19.2	
20.15	0.40	20.55								24.2	67056
20.00										24.0	
7.70	1.10	8.80			0.50	0.81	0.98	7.15		30.3	67057
8.00						0.82	1.00	7.00		30.1	
7.90	1.20	9.10			0.44	0.76	0.92	3.92		24.0	67058
8.00						0.82	1.00	4.00		24.1	
9.45	1.55	11.00			0.48	0.80	0.97	2.05		22.9	67059
8.00						0.82	1.00	2.00		20.1	
9.60	1.00	10.60						2.21		19.2	67060
10.00								2.00		19.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Smith Agricultural Chemical Co.	
67618	Smith's Standard 3-8-6	J. C. Everett and Co., Maysville Guaranteed
67080	Smith's Standard 18% Acid Phosphate	Manufacturer Guaranteed
	Smith Brothers, New Albany, Ind.	
67619	Bone and Potash	W. A. Jennings, La Grange Guaranteed
67045	Corn and Wheat Grower	Manufacturer Guaranteed
67620	Champion Tobacco and Potato Grower	W. A. Jennings, La Grange Guaranteed
67048	Half and Half	Manufacturer Guaranteed
67621	Kentucky Tobacco Grower	W. A. Jennings, La Grange Guaranteed
67050	Champion Crop Grower	Manufacturer Guaranteed
67051	Acid Phosphate	Manufacturer Guaranteed
	Southern Agricultural Chemical Corporation, Atlanta, Ga.	
67097	S. A. C. Fertilizer (10-4-4)	* Guaranteed
67098	S. A. C. Fertilizer (10-3-3)	* Guaranteed
67099	S. A. C. Fertilizer (8-4-4)	* Guaranteed
67100	S. A. C. Fertilizer (8-3-3)	* Guaranteed
67101	S. A. C. Fertilizer (8-2-2)	* Guaranteed
67102	S. A. C. Acid Phosphate	* Guaranteed
	Southern Fertilizer Co., Inc., Louisville, Ky.	
67622	Elk Corn and Wheat Grower	Corbin Supply Co., Corbin Guaranteed
67623	Elk General Crop Grower	Corbin Supply Co., Corbin Conrad, Payne and Co., Cloverport ... Corbin Supply Co., Corbin Guaranteed
67624		
67861		

*The manufacturer failed to furnish sample required by law.

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.10 8.00	1.20	9.30			1.94	2.36 2.47	2.87 3.00		7.97 6.00	40.4 36.4	67618
17.50 18.00	1.30	18.80								21.0 21.6	67080
10.90 10.00 12.55 12.00	0.90 2.00 1.85 2.00	11.80 12.00 14.40 14.00			0.33	0.78 0.82	0.95 1.00	1.85 2.00		20.4 19.8 23.5 22.9	67619 67045
11.20 10.00 6.95 6.00 7.60 8.00 12.00 12.00 18.70 16.00	1.90 2.00 6.40 7.00 3.40 2.00 1.80 2.00 2.00 2.00	13.10 12.00 13.35 13.00 11.00 10.00 13.80 14.00 20.70 18.00			1.03 1.02 0.89 0.55	1.87 1.65 1.64 1.65 1.90 1.65 1.80 1.65	2.27 2.00 1.99 2.00 2.31 2.00 2.19 2.00	1.74 2.00 1.12 1.00 4.66 4.00 3.38 2.00		30.4 28.1 23.4 22.1 31.6 29.1 34.5 31.0 22.4 19.2	67620 67048 67621 67050 67051
10.00 10.00 8.00 8.00 8.00 16.00						3.29 2.47 3.29 2.47 1.65	4.00 3.00 4.00 3.00 2.00	4.00 3.00 4.00 3.00 2.00		39.5 33.4 36.5 30.4 24.3 19.2	67097 67098 67099 67100 67101 67102
7.70 7.00 10.50 10.10 10.40 10.00	0.90 1.00 0.80 1.20 0.90 1.00	8.60 8.00 11.30 11.30 11.30 11.00			0.43 0.34 0.35 0.45	0.70 0.82 0.58 0.56 0.45 0.41	0.85 1.00 0.70 0.68 0.55 0.50	0.95 1.00 1.13 0.97 0.74 1.00		17.3 17.0 21.2 19.9 19.7 19.5	67622 67623 67624 67861

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67625	Southern Fertilizer Co., Inc. Elk Tobacco Grower	Conrad, Payne and Co., Cloverport ... Guaranteed
67862	Atlas Phosphate	Ratliff Hardware Co., Princeton ... Guaranteed
67073	Elk Potash Special	Manufacturer
67091	Elk Wheat, Corn and Tobacco Special	Guaranteed
	Swift and Co., Inc., National Stock Yards, Ill.	
67321	†Swift's Red Steer 3-8-6 Fertilizer	J. F. Collings, Shepherdsville.....
67322		J. W. Hicks, Upton
67626		W. C. Bonta, Pleasureville
67627		Millersburg Coal and Lumber Co., Millersburg
67628		Tandy and Jones, Eminence
		Guaranteed
67629	Swift's Tankage and Bone Phosphate	W. S. Overstreet, La Grange
		Guaranteed
67630	†Swift's Diamond "W" Veg. and Tob. Grower	W. S. Overstreet, La Grange
67631		Jno. B. Marriott, Cecilia
67863		Young and Bishop, Providence
		Guaranteed
67324	Swift's Diamond "W" Tobacco Grower	E. M. Ford and Son, Cave City
		Guaranteed
67325	Swift's Diamond "A" Fertilizer	W. E. Burress, Greensburg
		Guaranteed
67326	Swift's Diamond "K" Grain Grower	I. K. Miller and Sons, Campbellsville..
67632		Harvey Stout and Sons, Buechel
67864		I. K. Miller and Sons, Campbellsville..
		Guaranteed
66401	Swift's Diamond "B" Fertilizer	Manufacturer
		Guaranteed
66402	Swift's Grain and Tobacco Grower	Manufacturer
		Guaranteed
66404	Swift's Special Grain Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.10	1.00	12.10			0.85	1.27	1.54	1.77		26.9	67625
8.00	1.00	9.00				1.65	2.00		1.00	22.7	
15.90	1.00	16.90								19.1	
16.00										19.2	67862
8.15	1.00	9.15			0.84	0.84	1.02	4.57		26.0	
8.00	1.00	9.00				0.82	1.00	4.00		24.5	
											67073
8.15	0.80	8.95			1.29	1.66	2.02	2.36		25.6	
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
											67091
8.30	1.80	10.10			1.74	2.47	3.00	0.60	5.30	37.3	
8.60	0.80	9.40			2.43	2.43	2.95	5.91		37.4	
8.50	0.80	9.30			2.47	2.47	3.00	5.89		37.2	
											67626
8.70	1.60	10.30			1.83	2.48	3.01	0.60	4.99	37.3	
8.30	1.90	10.20			1.74	2.46	2.99	0.96	4.55	36.5	
8.00	1.00	9.00				2.47	3.00	6.00		36.8	
											67627
13.20	0.90	14.10			0.62	0.93	1.13			24.8	
12.00	1.00	13.00				0.82	1.00			22.5	
											67629
7.70	1.00	8.70			1.52	1.52	1.85	3.21		26.0	
8.30	1.40	9.70			1.16	1.57	1.91	3.06		27.0	
8.40	0.70	9.10			1.60	1.60	1.94	3.14		27.2	67630
8.00	1.00	9.00				1.65	2.00	3.00		26.7	
8.40	1.10	9.50			1.41	1.56	1.89	1.14		23.1	67324
8.00	1.00	9.00				1.65	2.00	1.00		22.7	
8.40	1.30	9.70			1.80	2.26	2.74	2.89		30.2	
8.00	1.00	9.00				2.47	3.00	3.00		30.8	67325
11.80	2.00	13.80			0.67	0.89	1.08	1.06		25.1	67326
13.60	1.70	15.30			0.59	0.81	0.98	0.84		26.8	
12.20	1.10	13.30			0.70	1.01	1.23	1.22		26.2	
12.00	1.00	13.00				0.82	1.00	1.00		24.5	67864
8.40	1.20	9.60			1.93	2.48	3.01		5.63	36.7	
8.00	1.00	9.00				2.47	3.00	5.00		34.8	
10.55	2.35	12.90			1.60	1.75	2.12	2.48	1.85	34.2	66401
10.00	1.00	11.00				1.65	2.00	4.00		31.7	
10.50	1.30	11.80			1.50	1.65	2.00	2.00		28.5	
10.00	1.00	11.00				1.65	2.00	2.00		27.7	66404

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift and Co., Inc.	
67328	Swift's Complete Fertilizer	J. W. Hicks, Upton
67634		J. S. Collier, Crab Orchard
67635		Byrnley Supply Co., Pineville
		Guaranteed
66406	Swift's Blood and Phosphate	Manufacturer
		Guaranteed
67636	Swift's Champion Wheat and Corn Grower	J. S. Collier, Crab Orchard
67637		Byrnley Supply Co., Pineville
67638		John B. Marriott, Cecilia
		Guaranteed
66408	Swift's Red Steer 4-12-0 Fertilizer	Manufacturer
		Guaranteed
66409	Swift's Corn and Oats Special	Manufacturer
		Guaranteed
67329	Swift's Red Steer 0-14-4 Fertilizer	W. E. Burress and Co., Greensburg...
67865		W. E. Burress and Co., Greensburg...
		Guaranteed
66411	Swift's 12-4 Phosphate and Potash	Manufacturer
		Guaranteed
66412	Swift's 14-2 Phosphate and Potash	Manufacturer
		Guaranteed
67639	Swift's Red Steer 20% Acid Phosphate	J. L. Townsend, Clay
		Guaranteed
67331	Swift's High Grade Acid Phosphate Fertilizer	D. E. Patterson, Hodgenville
67640		W. L. Henderson and Sons, Caneyville
67641		Harvey Stout and Son, Buechel
		Guaranteed
67642	Swift's Bone Meal and Phosphate Fertilizer	J. S. Collier, Crab Orchard
67866		I. K. Miller and Sons, Campbellsville..
		Guaranteed
66416	Swift's Raw Bone Meal Fertilizer	Manufacturer
		Guaranteed
66417	Swift's 2¼-29 Bone Meal Fertilizer	Manufacturer
		Guaranteed
67332	Swift's 1¼-29 Bone Meal Fertilizer	Wm. J. Dalton, Nancy
67333		I. K. Miller and Sons, Campbellsville..
67643		Yopp Seed Co., Paducah
67867		I. K. Miller and Sons, Campbellsville..
67868		Young and Bishop, Providence
		Guaranteed
66732	Swift's Red Steer 2-16-2	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
7.90	0.70	8.60			0.73	0.83	1.01	1.16		18.6	67328
8.75	1.05	9.80			0.97	0.97	1.18	1.13		20.7	67634
8.15	1.35	9.50			0.78	1.05	1.27	1.04	0.58	21.3	67635
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
12.35	1.00	13.35			1.23	1.69	2.05			27.4	66406
12.00	1.00	13.00				1.65	2.00			26.7	
11.90	1.40	13.30			1.50	1.72	2.09	2.18		31.4	67636
11.85	1.95	13.80			1.40	1.67	2.03	3.41		33.7	67637
12.50	1.30	13.80			1.47	1.69	2.05	2.06		31.8	67638
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
11.75	0.85	12.60			3.35	3.35	4.07			34.7	66408
12.00	1.00	13.00				3.29	4.00			34.9	
9.80	1.50	11.30			1.60	1.60	1.94			23.3	66409
10.00	1.00	11.00				1.65	2.00			23.7	
14.40	0.80	15.20						4.15		30.2	67329
14.80	0.35	15.15						3.46		30.2	67865
14.00	1.00	15.00						4.00		29.4	
12.65	0.65	13.30						4.07		27.4	66411
12.00								4.00		26.0	
14.65	0.55	15.20						2.01		26.2	66412
14.00								2.00		25.0	
20.70	0.50	21.20								24.8	67639
20.00										24.0	
17.40	0.50	17.90								20.9	67331
17.50	0.80	18.30								21.0	67640
16.60	0.80	17.40								19.9	67641
16.00										19.2	
15.90	5.20	21.10			0.50	0.98	1.19			30.8	67642
15.10	5.80	20.90			0.32	0.87	1.06			29.3	67866
15.00	5.00	20.00				0.82	1.00			28.6	
		23.80	100		0.66	3.57	4.33			36.9	66416
		23.00				3.71	4.50			37.0	
		29.00	76	24	0.28	1.87	2.27			32.6	66417
		29.00				1.85	2.25			32.5	
		29.60	81	19	0.39	1.75	2.12			32.4	67332
		30.70	88	12	0.43	1.61	1.95			32.6	67333
		29.70	85	15	0.23	1.61	1.95			31.8	67643
		28.25	87	13	0.33	1.54	1.87			30.3	67867
		28.00	87	13	0.35	1.71	2.08			31.0	67868
		29.00				1.03	1.25			28.4	
16.60	0.70	17.30			1.52	1.69	2.05	2.27		38.2	66732
16.00	1.00	17.00				1.65	2.00	2.00		36.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67334	Swift and Co., Inc. Swift's Red Steer 2-12-6	Wm. J. Dalton, Nancy Guaranteed
66734	Swift's Nitrate of Soda	Manufacturer Guaranteed
66735	Swift's Sulphate of Ammonia	Manufacturer Guaranteed
66736	Swift's Kemfert Potash Salts	Manufacturer Guaranteed
66737	Swift's Red Steer 3-8-6 Tobacco Grower	Manufacturer Guaranteed
67121	Taylor and Powell Fertilizer Co., Inc., Springfield, Tenn. Pure Bone Meal	Manufacturer Guaranteed
67335	Tennessee Chemical Co., (Armour owned), Louisville, Cincinnati, Nashville	
67645	Ox 16% Acid Phosphate	H. D. Jones, Glasgow McChesney and Thompson, Trenton ...
67646		J. S. Duke, Crab Orchard
67869		H. D. Jones, Glasgow
67870		Young Hardware Co., Hopkinsville... Guaranteed
67336	Ox 20% Acid Phosphate	H. D. Jones, Glasgow Guaranteed
67647	Ox 1-8-1 Fertilizer	C. F. Roberts and Co., Olive Hill ...
67648		Pineville Produce Co., Pineville Guaranteed
67649	Ox 1-12-1 Fertilizer	J. S. Duke, Crab Orchard
66459	Ox 2-8-2 Fertilizer	Guaranteed
66460	Ox 2-12-0 Fertilizer	Manufacturer Guaranteed
66461	Ox 2-12-2 Fertilizer	Manufacturer Guaranteed
66462	Ox 2-10-4 Fertilizer	Manufacturer Guaranteed
67651	Ox 0-12-4 Fertilizer	McChesney and Thompson, Trenton ... Guaranteed
67873	Ox Raw Bone	H. D. Jones, Glasgow Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.50	1.20	12.70			1.16	1.65	2.00	6.61		39.2	67334
12.00	1.00	13.00				1.65	2.00	6.00		38.7	
						15.60	18.94			78.0	66734
						14.80	17.97			74.0	
						20.70	25.12			103.5	66735
						20.97	25.46			104.9	
								60.08		120.2	66736
								58.75		117.5	
7.90	1.45	9.35			2.02	2.50	3.04	0.48	5.51	36.9	66737
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
		23.65	91	9	0.98	3.48	4.22			36.3	67121
		23.00				2.47	3.00			30.8	
16.40	2.30	18.70								19.7	67335
17.00	1.50	18.50								20.4	67645
16.45	0.75	17.20								19.7	67646
16.65	0.95	17.60								20.0	67869
16.65	0.95	17.60								20.0	67870
16.00	1.00	17.00								19.2	
20.10	2.00	22.10								24.1	67336
20.00	1.00	21.00								24.0	
8.60	0.70	9.30			0.54	0.91	1.10	1.03		19.8	67647
8.20	0.60	8.80			0.63	0.88	1.07	1.04		19.0	67648
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
11.95	1.10	13.05			0.65	1.02	1.24	1.24		26.0	67649
12.00	1.00	13.00				0.82	1.00	1.00		24.5	
8.60	3.30	11.90			1.12	1.70	2.06	2.69		28.1	66459
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
13.20	2.70	15.90			1.31	1.98	2.40			30.8	66460
12.00	1.00	13.00				1.65	2.00			26.7	
12.80	2.60	15.40			1.08	1.66	2.02	1.94		32.4	66461
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
10.60	2.40	13.00			1.26	1.86	2.26	3.94		34.0	66462
10.00	1.00	11.00				1.65	2.00	4.00		31.7	
11.90	2.40	14.30						3.99		26.8	67651
12.00	1.00	13.00						4.00		26.4	
		23.35	94	6	0.24	3.92	4.76			38.3	67873
		22.00				3.71	4.50			36.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tennessee Chemical Co., (Armour Owned)	
67337	Ox Dark Tobacco Grower	H. D. Jones, Glasgow
67652		J. J. Shaver and Co., Mayfield
67653		J. S. Duke, Crab Orchard
		Guaranteed
66469	Ox Potato Grower	Manufacturer
		Guaranteed
66470	Ox Black Patch Special	Manufacturer
		Guaranteed
66471	Ox Plant Bed Special	Manufacturer
		Guaranteed
66668	Ox Superior Tobacco Grower	Manufacturer
		Guaranteed
67687	Ox 17% Acid Phosphate	Manufacturer
		Guaranteed
67655	Ox Special Tobacco Guano	T. J. Turley Co., Owensboro
		Guaranteed
	Tennessee Coal Iron and Railroad Co., Birmingham, Ala.	
67340	Duplex Basic Phosphate	Farmers Union Supply Co., Glasgow ..
67341		Farmers Union Supply Co., Somerset..
67342		Woodson Lewis and Son, Greensburg..
67675		C. C. Ball, Bedford
67875		Hardin County Farm Bureau, Elizabethtown
67876		Farmers Union Supply Co., Somerset..
67877		Taylor County Supply Co., Campbells-ville
		Guaranteed
	United Chemical Products Co., Buena Vista, Va.	
67894	Old Gardner High Grade Odorless	Manufacturer
		Guaranteed
	Victor Guano Co., Nashville, Tenn.	
67343	Standard Tobacco Grower	Farm Bureau, Bowling Green
67658		Lambert Gresham Hdw. Co., Henderson
		Guaranteed
67344	High Grade Tobacco and Truck Grower	Farm Bureau, Bowling Green
		Guaranteed
66622	Burley Tobacco Grower	Manufacturer
		Guaranteed
66623	Bright Leaf Tobacco Guano	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.50	1.00	9.50			0.79	1.56	1.89		3.68	28.3	67337
8.85	2.00	10.85			0.92	1.68	2.04		4.02	30.5	67652
7.95	0.80	8.75			0.95	1.69	2.05	0.60	3.46	28.8	67653
8.00	1.00	9.00				1.65	2.00		4.00	28.7	
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66469
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66470
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
8.30	2.80	11.10			2.43	3.36	4.08		3.10	36.6	66471
8.00	1.00	9.00				3.29	4.00		3.00	34.9	
11.20	2.90	14.10							4.99	27.9	66668
10.00	1.00	11.00							5.00	25.4	
17.80	0.30	18.10								21.4	67687
17.00	1.00	18.00								20.4	
10.40	2.30	12.70			0.85	1.34	1.63	1.78		26.8	67655
10.00	1.00	11.00				1.65	2.00		2.00	27.7	
		19.20								23.0	67340
		19.30								23.2	67341
		18.90								22.7	67342
		19.20								23.0	67675
		17.55								21.1	67875
		18.00								21.6	67876
		18.50								22.2	67877
		18.00								21.6	
10.10	0.60	10.70			2.82	2.82	3.42	5.25		40.0	67894
10.00	1.00	11.00				2.50	3.04	4.00		35.9	
8.40	5.80	14.20			0.70	1.63	1.98	1.95		27.0	67343
8.65	7.70	16.35			0.53	1.43	1.74	2.27		27.8	67658
8.00	5.00	13.00				1.65	2.00		2.00	26.3	
7.60	3.70	11.30			0.63	1.64	1.99	1.12	3.22	29.8	67344
8.00	4.00	12.00				1.65	2.00		4.00	29.9	
8.75	1.75	10.50			2.10	2.61	3.17		5.75	38.4	66622
8.00	3.00	11.00				2.47	3.00		5.00	35.6	
10.15	2.25	12.40			1.24	1.89	2.29	0.44	0.78	28.0	66623
9.00	4.00	13.00				1.65	2.00		1.00	25.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Victor Guano Co.	
66624	Ky. High Grade Tobacco Grower	Manufacturer
		Guaranteed
66625	Ky. Home Guano	Manufacturer
		Guaranteed
66626	Ky. Soil Food	Manufacturer
		Guaranteed
67345	Wheat, Oat and Corn Grower	E. C. Humble, Russell Springs
		Guaranteed
66628	Bone and Potash	Manufacturer
		Guaranteed
66629	High Grade Bone and Potash	Manufacturer
		Guaranteed
66630	High Grade Acid Phosphate	Manufacturer
		Guaranteed
67346	Special High Grade Acid Phosphate	Farm Bureau, Bowling Green
67659		Young Hardware Co., Hopkinsville
		Guaranteed
66632	Premium Acid Phosphate	Manufacturer
		Guaranteed
	Virginia-Carolina Chemical Co., Inc., Cincinnati, Nashville, Memphis	
67347	V-C 16% Acid Phosphate	Brownlee, Kennedy and Crutcher, Munfordville
67348		Taylor County Supply Co., Campbells-ville
67660		Jas. I. Rice, Adairville
67878		Burton Bros. and Tartar Bros., Somerset
67879		A. W. Tarter, Columbia
67880		Pointer Hardware Co., Horse Cave
		Guaranteed
67662	V-C 20% Acid Phosphate	J. W. Perkey, Berea
67881		J. C. Dodson, Burnside
		Guaranteed
67349	V-C 24% Acid Phosphate	Taylor County Supply Co., Campbells-ville
67661		J. W. Perkey, Berea
67882		J. C. Dodson, Burnside
67883		Wayne County Farm Bureau, Monticello
		Guaranteed
67884	V-C Capitol Phosphate and Potash	A. W. Tarter, Columbia
67885		Burton Bros. and Tartar Bros., Somerset
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
12.80	3.40	16.20			0.94	1.88	2.28	2.00	0.55	35.1	66624
12.00	2.00	14.00				1.65	2.00		2.00	31.1	
9.05	6.55	15.60			0.29	0.85	1.03		1.74	23.9	66625
8.00	5.00	13.00				0.82	1.00	1.00		20.1	
9.55	8.60	18.15			0.31	0.53	0.64	3.22	1.81	30.5	66626
8.00	5.00	13.00				0.41	0.50	4.00		24.1	
11.30	6.80	18.10				0.47	0.57	0.80		23.6	67345
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
11.10	12.30	23.40						3.24		28.1	66628
10.00	8.00	18.00						2.00		22.2	
11.20	11.30	22.50						5.43		32.2	66629
10.00	8.00	18.00						4.00		26.2	
15.10	6.80	21.90								18.1	66630
14.00	4.00	18.00								16.8	
17.10	3.60	20.70								20.5	67346
18.40	2.20	20.60								22.1	67659
16.00	2.00	18.00								19.2	
20.00	3.70	23.70								24.0	66632
18.00	2.00	20.00								21.6	
16.80	4.20	21.00								20.2	67347
19.50	0.80	20.30								23.4	67348
19.15	0.80	19.95								23.0	67660
17.40	0.70	18.10								20.9	67878
17.60	0.75	18.35								21.1	67879
18.50	2.35	20.85								22.2	67880
16.00	1.50	17.50								19.2	
22.45	0.90	23.35								26.9	67662
22.30	1.20	23.50								26.8	67881
20.00	1.50	21.50								24.0	
24.10	1.00	25.10								28.9	67349
26.45	0.80	27.25								31.7	67661
25.05	1.30	26.35								30.1	67882
25.40	0.80	26.20								30.5	67883
24.00	1.50	25.50								28.8	
11.10	1.30	12.40						5.20		27.6	67884
10.10	1.30	11.40						5.28		26.2	67885
10.00	1.50	11.50						5.00		25.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chemical Co., Inc.	
66777	V-C Sure Grain Producer	Manufacturer Guaranteed
67663	+V-C Champion Corn and Wheat Grower	J. K. Butcher and Co., Paintsville Guaranteed
66779	V-C Farmer's Friend	Manufacturer Guaranteed
67351	+V-C Beef, Blood and Bone "BBB"	Taylor County Supply Co., Campbells- ville
67664		Cadiz Trading Co., Cadiz
67665		Eversole Feed Co., London
67887		J. C. Dodson, Burnside
		Guaranteed
67352	V-C Big Giant Crop Grower	E. M. Ford and Son, Cave City
67889		K. A. Spradlin, Monticello
67890		G. M. Hedrick, Monticello
		Guaranteed
67891	V-C Springfall Fertilizer	Burton Bros., and Tartar Bros., Somers- et
		Guaranteed
67353	V-C Progressive Farmer	G. M. Hedrick, Monticello
67892		G. M. Hedrick, Monticello
		Guaranteed
67354	V-C 2-8-4 Tobacco Special (Potash from Sulfate)	Taylor County Supply Co., Campbells- ville
67355		Brownlee, Kennedy and Crutcher, Mun- fordville
67667		O. A. Casteel, E. Bernstadt
		Guaranteed
67356	+V-C Tobacco and Truck Special (Potash from Sulfate)	G. M. Hedrick, Monticello
67357		E. M. Ford and Son, Cave City
		Guaranteed
66787	V-C Pure Bone Meal	Manufacturer Guaranteed
66788	V-C Raw Bone Meal	Manufacturer Guaranteed
67893	V-C Bone Meal and Phosphate	J. C. Dodson, Burnside
		Guaranteed
66790	V-C 10% Acid Phosphate	Manufacturer Guaranteed

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Wood-Stubbs and Co., Louisville, Ky.	
67018	Acme Special Potato Grower	Manufacturer Guaranteed
67019	Acme Blue Ribbon Potato Grower	Manufacturer Guaranteed
67021	Acme High Grade Vegetable Grower	Manufacturer Guaranteed
67022	Acme Truckers Special	Manufacturer Guaranteed
67023	Acme Tobacco Grower	Manufacturer Guaranteed
67024	Acme High Grade Phosphate	Manufacturer Guaranteed
67025	Acme Steamed Bone	Manufacturer Guaranteed
67026	Acme Raw Bone	Manufacturer Guaranteed
67027	Acme Three-Eight-Five Fertilizer	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.60	6.60	16.20			1.07	1.81	2.20	0.64	2.77	32.8	67018
8.00	4.00	12.00				1.65	2.00		3.00	27.9	
9.00	3.20	12.20			1.87	2.77	3.36	1.48	5.21	42.0	67019
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
10.95	3.65	14.60			2.28	3.59	4.36			35.8	67021
10.00	4.00	14.00				3.29	4.00			33.1	
11.15	3.10	14.25			1.19	1.96	2.38	4.23		36.2	67022
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
9.10	6.60	15.70			1.16	1.92	2.33	4.18		34.3	67023
8.00	4.00	12.00				1.65	2.00	4.00		29.9	
17.60	2.60	20.20								21.1	67024
16.00	2.00	18.00								19.2	
		31.60	85	15		1.06	1.29			30.6	67025
		30.00				1.03	1.25			29.2	
		23.50	68	32	0.36	4.64	5.63			42.0	67026
		22.00				3.71	4.50			36.2	
9.30	3.95	13.25			1.75	2.68	3.25	0.76	4.86	40.2	67027
8.00	4.00	12.00				2.47	3.00		5.00	36.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc., Cincinnati, O.	
67123	†A. A. C. Ky. Tobacco Grower	J. P. Simmons, Junction City
67124		Skidmore-Spencer Hdw. Co., Elizabeth- town
67700		J. H. Schoolcraft, Somerset
		Guaranteed
66491	A. A. C. Tobacco and Truck Fer- tilizer	Manufacturer
		Guaranteed
66492	A. A. C. High Grade Fertilizer	Manufacturer
		Guaranteed
67136	Bowker's Harvest Bone Phosphate	T. E. Richardson, Campbellsville
67708		T. E. Richardson, Campbellsville
		Guaranteed
66497	Bowker's Harvest Queen	Manufacturer
		Guaranteed
67138	†Bowker's Corn and Wheat Phos- phate	J. P. Simmons, Junction City
67391		R. L. McFarlan, Mt. Vernon
		Guaranteed
67393	†Bowker's Grain and Grass Grower	W. R. Strange and Co., Middlesboro . .
		Guaranteed
66501	Bowker's Tobacco and Truck Grower	Manufacturer
		Guaranteed
67140	†Bowker's High Grade Tobacco Grower	T. E. Richardson, Campbellsville
		Guaranteed
67142	†Bowker's Tobacco Grower	J. L. Tabor, Bowling Green
67144		T. E. Richardson, Campbellsville
		Guaranteed
67145	Bowker's High Grade Fertilizer	John Riffe, Moreland
67146		W. P. Ray and Son, New Haven
67395		W. R. Bastin, Lancaster
		Guaranteed
66507	Bradley's High Grade Tobacco Grower	Manufacturer
		Guaranteed
66510	Bradley's Faultless Grain Grower	Manufacturer
		Guaranteed
66511	Bradley's Sure Crop	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.40	1.50	9.90			1.43	1.70	2.06	2.12		25.9	67123
8.30	1.10	9.40			1.43	1.72	2.09	2.20		25.9	67124
8.25	1.10	9.35			1.33	1.61	1.95	2.24		25.4	67700
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
7.95	1.35	9.30			1.34	1.66	2.02		5.87	32.5	66491
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
8.40	1.30	9.70			2.08	2.49	3.02	6.38		38.3	66492
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.20	1.00	9.20			0.71	0.96	1.17	1.06		19.6	67136
8.55	1.05	9.60			0.63	0.84	1.02	1.16		19.8	67708
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6	66497
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
10.30	1.40	11.70			0.66	0.86	1.04	1.03		22.4	67138
10.50	0.90	11.40			0.63	0.81	0.98	1.42		23.0	67391
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
8.40	1.10	9.50			1.52	1.79	2.17	2.31		26.6	67393
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.20	1.60	11.80			1.89	2.48	3.01	1.19		30.7	66501
10.00	4.00	14.00				2.47	3.00	1.00		31.0	
10.00	1.60	11.60			2.06	2.51	3.05	1.04	2.53	35.3	67140
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.00	1.00	9.00			1.43	1.71	2.08		6.34	33.6	67142
8.50	1.30	9.80			1.13	1.41	1.71	1.04	2.05	26.5	67144
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
7.50	1.10	8.60			1.39	2.56	3.11	7.71		39.9	67145
8.10	1.10	9.20			2.20	2.47	3.00	6.31		37.6	67146
8.60	0.70	9.30			2.18	2.47	3.00	6.15		37.8	67395
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
10.30	1.05	11.35			1.96	2.49	3.02		3.06	34.4	66507
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.20	1.35	9.55			0.53	0.85	1.03	1.07		19.2	66510
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6	66511
8.00	4.00	12.00				0.82	1.00	2.00		21.7	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
66512	Bradley's Potato and Root Fertilizer	Manufacturer Guaranteed
66513	Bradley's Corn and Wheat Phosphate	Manufacturer Guaranteed
66514	Bradley's Grain and Grass Grower	Manufacturer Guaranteed
66515	Bradley's Tobacco and Truck Grower	Manufacturer Guaranteed
66520	Cleveland Dryer Works Faultless Grain Grower	Manufacturer Guaranteed
66521	Cleveland Dryer Works Sure Crop	Manufacturer Guaranteed
66522	Cleveland Dryer Works Potato and Tobacco Fertilizer	Manufacturer Guaranteed
66523	Cleveland Dryer Works Phospho Bone	Manufacturer Guaranteed
66524	Cleveland Dryer Works Grain and Grass Grower	Manufacturer Guaranteed
66525	Cleveland Dryer Works Tobacco and Truck Grower	Manufacturer Guaranteed
66526	Cleveland Dryer Works High Grade Tobacco Grower	Manufacturer Guaranteed
67149	†Red Line Complete Manure	Manufacturer Guaranteed
67401		J. F. Collings, Shepherdsville
67715		A. G. Morrison, Calhoun
67717		J. F. Collings, Shepherdsville
67718		J. W. Schoolcraft, Somerset
		Woodson Lewis and Son, Greensburg .. Guaranteed
67719	Michigan Carbon Works Sure Crop	J. W. Schoolcraft, Somerset
67720		Mayhew Feed Co., Franklin
		Guaranteed
67402	Homestead A-1 Potash Fertilizer	C. L. Mason, Fordsville
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.35 8.00	1.10 4.00	9.45 12.00			0.53 0.84	0.84 0.82	1.02 1.00	3.14 3.00		23.5 23.7	66512
10.30 10.00	1.30 4.00	11.60 14.00			0.54 0.83	0.83 1.00	1.01 1.00	1.11 1.00		22.3 22.7	66513
7.90 8.00	1.60 4.00	9.50 12.00			1.34 1.66	1.66 1.65	2.02 2.00	1.99 2.00		24.8 25.9	66514
10.20 10.00	1.60 4.00	11.80 14.00			1.89 2.47	2.48 2.47	3.01 3.00	1.19 1.00		30.7 31.0	66515
8.20 8.20	1.35 4.00	9.55 12.00			0.53 0.82	0.85 0.82	1.03 1.00	1.07 1.00		19.2 19.7	66520
8.30 8.00	1.05 4.00	9.35 12.00			0.53 0.82	0.84 0.82	1.02 1.00	2.27 2.00		21.6 21.7	66521
8.35 8.00	1.10 4.00	9.45 12.00			0.53 0.82	0.84 0.82	1.02 1.00	3.14 3.00		23.5 23.7	66522
10.30 10.00	1.30 4.00	11.60 14.00			0.54 0.82	0.83 0.82	1.01 1.00	1.11 1.00		22.3 22.7	66523
7.90 8.00	1.60 4.00	9.50 12.00			1.34 1.65	1.66 1.65	2.02 2.00	1.99 2.00		24.8 25.9	66524
10.20 10.00	1.60 4.00	11.80 14.00			1.89 2.47	2.48 2.47	3.01 3.00	1.19 1.00		30.7 31.0	66525
10.30 10.00	1.05 4.00	11.35 14.00			1.96 2.47	2.49 2.47	3.02 3.00		3.06 3.00	34.4 35.0	66526
9.10	0.70	9.80			0.60	0.84	1.02	1.16		20.5	67149
8.50	0.80	9.30			0.63	0.91	1.10	1.04		19.7	67401
8.40	0.75	9.15			0.66	0.86	1.04	1.06		19.3	67715
8.80	0.80	9.60			0.67	0.87	1.06	1.23		20.3	67717
8.30	0.90	9.20			0.80	0.80	0.97	1.16		19.1	67718
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.65	1.10	9.75			0.59	0.86	1.04	2.19		22.1	67719
8.35	1.15	9.50			0.56	0.81	0.98	1.90		20.8	67720
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
8.60	0.90	9.50			0.80	0.80	0.97	3.04		23.3	67402
8.00	4.00	12.00				0.82	1.00	3.00		23.7	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
67721	†Michigan Carbon Works Corn and Wheat Phosphate	Skidmore, Spencer Hdw. Co., Elizabethtown
67150	†Homestead A. Bone Black Fertilizer	Guaranteed
67152		Woodson Lewis and Son, Greensburg..
67722		Lebanon Implement Co., Lebanon....
67723		J. F. Collings, Shepherdsville
		Lebanon Carriage and Implement Co., Lebanon
67724		J. H. Schoolcraft, Somerset
		Guaranteed
67154	†Homestead Tobacco Grower	Brownlee, Kennedy and Crutcher, Munfordville
67156		J. R. Davis and Bro., Campbellsville..
67159	Michigan Carbon Works High Grade Fertilizer	Guaranteed
67160		Burks Bros. and Edwards, Upton.....
67161		E. S. Ferrill and Son, Buffalo.....
		J. R. Davis and Bro., Campbellsville..
66709	Homestead Tobacco Grower (containing Potash from Muriate)	Guaranteed
		Manufacturer
67166	†N-W Horseshoe Br. Dark Tobacco Grower	Guaranteed
		E. S. Ferrill and Son, Buffalo.....
67730	N-W Horseshoe Br. Sure Crop	Guaranteed
66545	N-W Horseshoe Br. Potash Manure	E. S. Ferrill and Son, Buffalo.....
		Guaranteed
67167	†N-W Horseshoe Br. Corn and Wheat Phosphate	Manufacturer
		Guaranteed
67409	N-W Horseshoe Br. Challenge Corn Grower	John R. Nelson, Eubank
67731		Guaranteed
67900		D. M. Brakefield, Adairville
		Grayson County Supply Co., Leitchfield
67412	N-W Horseshoe Br. Tobacco Grower	Sam Terry, Big Clifty
		Guaranteed
67413	N-W Horseshoe Br. High Grade Fertilizer	A. B. Sellers, Sebree
		Guaranteed
		Wm. Addams and Co., Cynthiaiana
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.90	1.30	11.20			0.69	0.91	1.10	1.28		22.5	67721
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
8.40	1.40	9.80			1.55	2.00	2.43	1.63		26.4	67150
7.90	1.30	9.20			1.61	2.02	2.45	1.61		25.5	67152
7.60	1.65	9.25			1.72	2.07	2.51	1.69		25.8	67722
8.10	1.50	9.60			1.61	2.06	2.50	1.54		26.1	67723
7.80	1.70	9.50			1.82	2.19	2.66	1.78		26.9	67724
8.00	4.00	12.00				2.06	2.50	1.50		26.9	
10.80	1.00	11.80			2.22	2.63	3.19		3.12	36.0	67154
9.30	2.00	11.30			2.02	2.41	2.93	1.00	2.09	33.0	67156
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.40	1.00	9.40			2.02	2.36	2.87	6.09		37.0	67159
8.40	1.10	9.50			2.00	2.29	2.78	6.13		36.8	67160
8.50	0.70	9.20			2.08	2.36	2.87	6.07		37.0	67161
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
10.30	1.05	11.35			1.96	2.49	3.02		3.06	34.4	66709
10.00	4.00	14.00				2.47	3.00	3.00		35.0	
8.50	0.80	9.30			0.64	0.88	1.07	1.31		20.1	67166
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.50	1.10	9.60			0.59	0.83	1.01	2.32		22.0	67730
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
8.35	1.10	9.45			0.53	0.84	1.02	3.14		23.5	66545
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
9.40	1.40	10.80			0.68	0.89	1.08	1.21		21.5	67167
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
8.30	1.40	9.70			1.48	1.76	2.14	2.19		26.2	67409
7.60	1.25	8.85			1.34	1.65	2.00	2.14		24.4	67731
8.50	1.30	9.80			1.31	1.62	1.97	2.17		25.7	67900
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
8.40	1.70	10.10			1.38	1.70	2.06		4.48	30.7	67412
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
8.20	1.50	9.70			2.10	2.44	2.96	6.20		37.5	67413
8.00	4.00	12.00				2.47	3.00	6.00		38.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
66558	Packer's Boar's Head Br. Faultless Grain Grower	Manufacturer Guaranteed
66559	Packer's Boar's Head Br. Sure Crop.	Manufacturer Guaranteed
66560	Packer's Boar's Head Br. Sure Growth	Manufacturer Guaranteed
66561	Packer's Boar's Head Br. Corn and Wheat Phosphate	Manufacturer Guaranteed
66562	Packer's Boar's Head Br. Corn and Wheat Grower	Manufacturer Guaranteed
66563	Packer's Boar's Head Br. Tobacco and Truck Grower	Manufacturer Guaranteed
66564	Packer's Boar's Head Br. High Grade Tobacco Grower	Manufacturer Guaranteed
66566	Packer's Boar's Head Br. High Grade Vegetable Fertilizer	Manufacturer Guaranteed
	Armour Fertilizer Works, Louisville, Cincinnati, Nashville	
67417	†Armour's 1-12-1 Fertilizer	D. M. Brakefield, Adairville Guaranteed
66428	Big Crop 2-16-2 Fertilizer	Manufacturer Guaranteed
67180	†Big Crop Bone Meal	J. W. Schoolcraft, Somerset Wilson, Winn and Co., Russellville.... Guaranteed
67742		G. R. Greider, Liberty Guaranteed
67183	†Big Crop Dark Tobacco Grower	Cantrell and Penick, Greensburg Bert Hodges, Munfordville Guaranteed
67185	†Big Crop Burley Tobacco Grower	Durham Implement Co., Danville J. F. Collings, Shepherdsville Guaranteed
67186		Cadiz Hardware Co., Cadiz A. E. Cook, Hawesville Guaranteed
67424	Big Crop Black Patch Special	
67425		

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.20	1.35	9.55			0.53	0.85	1.03	1.07		19.2	66558
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6	66559
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
8.35	1.10	9.45			0.53	0.84	1.02	3.14		23.5	66560
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
10.30	1.30	11.60			0.54	0.83	1.01	1.11		22.3	66561
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
7.90	1.60	9.50			1.34	1.66	2.02	1.99		24.8	66562
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.20	1.60	11.80			1.89	2.48	3.01	1.19		30.7	66563
10.00	4.00	14.00				2.47	3.00	1.00		31.0	
10.30	1.05	11.35			1.96	2.49	3.02		3.06	34.4	66564
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
7.95	1.35	9.30			1.34	1.66	2.02		5.87	32.5	66566
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
10.80	2.40	13.20			0.50	0.91	1.10	1.05		23.8	67417
12.00	1.00	13.00				0.82	1.00	1.00		24.5	
20.80	0.50	21.30			0.65	0.65	0.79	0.55		35.8	66428
16.00	2.00	18.00				1.65	2.00	2.00		36.7	
		25.80	75	25		2.97	3.61			35.5	67180
		25.75	66	34	0.72	3.37	4.09			37.5	
		27.00				2.47	3.00			34.0	67183
7.60	1.80	9.40			0.97	1.78	2.16		3.34	27.7	
8.00	1.00	9.00				1.65	2.00		4.00	28.7	67185
7.60	1.50	9.10			1.19	2.31	2.80		5.61	34.8	
8.60	1.30	9.90			1.17	2.24	2.72	0.56	4.38	34.5	67186
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
9.80	1.00	10.80			1.09	2.02	2.45	1.00	2.46	32.1	67188
8.10	1.00	9.10			1.59	3.05	3.70		2.89	33.6	
8.00	1.00	9.00				3.29	4.00		3.00	34.9	67424
8.40	1.80	10.20			1.31	2.19	2.66	0.84	4.12	34.2	
8.30	2.50	10.80			1.58	2.09	2.54	3.84	0.95	33.5	67425
8.00	1.00	9.00				2.47	3.00		6.00	36.8	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fertilizer Works	
67427	†Big Crop 2-12-6 Fertilizer	Brooks and Street, Whitesville
67429		A. A. Clay and Sons, Indian Fields... Guaranteed
67430	Big Crop 0-10-10 Fertilizer	Harrodsburg Implement Co., Harrodsburg
67431	Big Crop Superior Tobacco Grower	Guaranteed
67435	Big Crop 4-12-0 Fertilizer	Wilson, Winn and Co., Russellville ... Guaranteed
	Calumet Fertilizer Co., New Albany, Ind.	Fremd and Donovan, Eminence
67440	Calumet Brand Potato and Tobacco Special	Guaranteed
67441	Calumet Brand Onion and Tobacco Grower	Patrick Dillon, Hardinsburg
67442	Calumet Brand Crop Grower	Guaranteed
67901		Vine Grove Feed Co., Vine Grove..... Guaranteed
66764	Calumet Brand Ten Ten Hummer	L. C. Goering and Sons, Hawesville... Vine Grove Feed Co., Vine Grove Guaranteed
	Consolidated Chemical Co., Louisville, Ky.	Manufacturer
67747	†Camel Brand Corn and Wheat Special	Guaranteed
67446	Camel Brand Vegetable, Potato and Tobacco Special	Farmers Supply Co., Hodgenville Guaranteed
67192	Camel Brand Blue Grass Tobacco Grower	Grant North, Salt Lick
67447	Camel Brand Extra High Grade Tobacco Fertilizer	Guaranteed
67448		J. W. Sweeney, Waynesburg
67193	Camel Brand Tobacco Fertilizer	Guaranteed
67449	Camel Brand Beef, Blood and Bone	W. A. Davis and Son, Jeffersontown... J. Albert Stewart, Gracey
67450		Guaranteed
67451		Farmers Supply Co., Hodgenville..... Guaranteed
		G. H. Hinton, Whitesville
		Grant North, Salt Lick
		W. G. Kirk and E. F. Rice, Fordsville.. Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.00	2.80	12.80			0.95	1.39	1.69	5.54		34.2	67427
11.30	1.00	12.30			1.14	1.70	2.06	4.54		35.0	67429
12.00	1.00	13.00				1.65	2.00	6.00		38.7	
11.10	0.80	11.90						7.48		31.9	67430
10.00	1.00	11.00						10.00		35.4	
9.20	1.90	11.10						1.28	1.81	20.7	67431
10.00	1.00	11.00							5.00	25.4	
13.45	1.05	14.50			1.89	2.34	2.84			32.3	67435
12.00	1.00	13.00				3.29	4.00			34.9	
8.40	0.75	9.15			0.62	1.60	1.94	4.42		29.7	67440
8.00	4.00	12.00				1.65	2.00	5.00		31.9	
8.45	1.40	9.85			0.25	0.80	0.97	3.18		23.6	67441
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
7.80	1.80	9.60			0.39	0.98	1.19	1.31		19.9	67442
7.40	1.30	8.70			0.27	0.78	0.95	1.12		17.8	67901
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
10.50	1.20	11.70						10.61		37.5	66764
10.00	4.00	14.00						10.00		36.6	
10.90	0.90	11.80			0.28	0.55	0.67	1.34		22.1	67747
11.00	4.00	15.00				0.41	0.50	1.00		21.8	
11.30	0.50	11.80			0.70	0.98	1.19	2.85		27.8	67446
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
8.60	0.50	9.10			1.15	1.39	1.69	0.64	3.75	28.8	67192
8.00	4.00	12.00				1.23	1.50		4.00	27.8	
9.95	0.45	10.40			1.34	1.73	2.10	4.41		32.0	67447
10.00	0.65	10.65			1.35	1.72	2.09	3.56	0.57	32.1	67448
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
8.60	0.50	9.10			1.05	1.61	1.95	0.92	1.24	25.5	67193
8.00	4.00	12.00				1.65	2.00		2.00	25.9	
8.35	0.35	8.70			1.11	1.85	2.25	1.99		25.9	67449
8.25	0.35	8.60			1.12	1.81	2.20		2.31	26.2	67450
7.95	0.85	8.80			0.92	1.59	1.93	1.76	0.37	24.5	67451
8.00	4.00	12.00				1.65	2.00	2.00		25.9	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
37452 67453	Consolidated Chemical Co. Camel Brand 3-8-6 Tobacco Grower	Grant North, Salt Lick G. H. Hinton, Whitesville Guaranteed
67194 67195	Camel Brand 3-8-6 Tobacco Fer- tilizer	Farmers Supply Co., Hodgenville W. B. Guky, Nancy Guaranteed
67107	Camel Brand Blue Grass Tobacco Fertilizer	Manufacturer Guaranteed
67454	Duncan and Sherley, La Grange, Ky. Tiger Brand Pure Bone Meal	Manufacturer's Warehouse Guaranteed
67460	The Empire Guano Co., Nashville, Tenn. Burley Tobacco Grower	J. H. Wyan, London Guaranteed
67471	Farmers' Union Supply Co. of Ken- tucky, Louisville, Ky. Farmers' Union Tobacco Grower	Farmers' Union, La Grange Guaranteed
67472	Farmers' Union General Crop Ferti- lizer	Farmers' Union, La Grange Guaranteed
67474	Federal Chemical Co., Inc., Louis- ville, Ky. Tip Top Potato Grower	St. Matthews Produce Exchange, St. Matthews Guaranteed Chiles and Thompson, Mt. Sterling.... Guaranteed Chas. R. Cabell, Gresham Guaranteed A. W. Tarter, Columbia Guaranteed Grayson County Supply Co., Leitchfield Guaranteed R. F. Collier, Paris Guaranteed Lake Bros., Springfield C. Cardell, Pine Knot Guaranteed
67475	†Plant Bed Special	
67753	Standard Corn and Wheat Grower	
67205	†Special Tobacco Maker	
67477	†Beef, Blood and Bone	
67755	†Loam Land Fertilizer	
67208 67209	†Special Tobacco and Potato Grower	

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.20	0.35	8.55			1.52	2.24	2.72	0.60	5.41	35.7	67452
8.30	0.90	9.20			1.80	2.39	2.90	3.40	2.17	35.9	67453
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.35	0.90	9.25			1.79	2.23	2.71	2.44	3.34	35.6	67194
8.65	0.40	9.05			1.73	2.49	3.02	1.00	5.14	37.9	67195
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
7.05	0.90	7.95			1.56	2.18	2.65	6.83		35.5	67107
8.00	4.00	12.00				1.23	1.50	4.00		27.8	
		24.00	63	37	1.03	3.14	3.81			34.9	67454
		27.00				2.47	3.00			34.0	
7.90	2.20	10.10			1.70	2.44	2.96	4.62		34.2	67460
8.00	3.00	11.00				2.47	3.00	5.00		35.6	
10.40	0.60	11.00			1.30	1.69	2.05	3.36	0.82	32.7	67471
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
7.80	0.80	8.60			1.21	1.62	1.97	3.40		26.9	67472
8.00	4.00	12.00				1.65	2.00	3.00		27.9	
10.00	0.60	10.60			2.12	3.31	4.02	0.60	3.92	40.8	67474
10.00	4.00	14.00				3.29	4.00	4.00		41.1	
10.70	0.80	11.50			1.48	2.76	3.35	3.09		36.4	67475
10.00	4.00	14.00				2.47	3.00	3.00		35.0	
8.05	0.85	8.90			0.42	1.57	1.91	1.91		24.1	67753
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.30	1.00	11.30			0.84	1.81	2.20	2.41		29.7	67205
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
10.50	1.10	11.60			0.31	1.64	1.99	1.89		28.2	67477
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
12.55	1.05	13.60			0.54	1.58	1.92	2.12		31.4	67755
12.00	4.00	16.00				1.65	2.00	2.00		31.9	
7.90	1.20	9.10			1.95	2.61	3.17	0.92	6.22	39.7	67208
6.80	0.40	7.20			1.60	2.91	3.53	5.00	1.69	38.3	67209
8.00	4.00	12.00				2.47	3.00	6.00		38.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67211 67480 67481	Federal Chemical Co., Inc. High Grade Tobacco Grower	S. O. Powell Gilpin M. G. Parman, London Goodman Bros., Shelbyville Guaranteed
67482 67483	A-1 Corn and Wheat Fertilizer	M. G. Parman, London T. H. O'Bryan, Dawson Springs Guaranteed
67484 67485	A-1 Extra Tobacco Special	Gentry and McCauley, Versailles Boone County Farm Bureau, Florence.. Guaranteed
67212	Potash Mixture	Smith and Smith, Shepherdsville Guaranteed
67213 67756	†20% Phosphate	W. H. Lyons, Loretto Chas. R. Cabell, Gresham Guaranteed
67214 67757 67758 67759	Pure Bone	E. F. Pearson, Franklin Grayson County Supply Co., Leitchfield Planters Hardware Co., Hopkinsville.. Moss and Gibson, Crestwood Guaranteed
67215 67487	Kentucky Tobacco and Potato Grower	A. W. Tarter, Columbia Chiles and Thompson, Mt. Sterling.... Guaranteed
67217 67488	†Best Burley Tobacco Grower	Miller and Sons, Campbellsville H. B. Lander, La Fayette Guaranteed
67218 67219 67220 67760	Daybreak Wheat and Corn Special	Ricey Wilson, Nancy S. O. Powell, Gilpin Cardell and Wood, Pine Knot Grayson County Supply Co., Leitchfield Guaranteed
67489	Daybreak Special Tobacco Grower	H. E. Brown, Brandenburg Guaranteed
67491	†Daybreak Raw Bone	St. Matthews Produce Exchange, St. Matthews Guaranteed
67763	†1st Prize Crop and Tobacco Grower	Farmers Union Supply Co., Russellville Guaranteed
66879	1st Prize Raw Bone	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.70	0.75	9.45			1.88	3.17	3.85	2.20	2.05	37.7	67211
7.90	0.80	8.70			1.41	3.24	3.93	0.96	3.36	37.0	67480
8.70	0.90	9.60			1.62	2.66	3.23	2.28	2.26	35.5	67481
8.00	4.00	12.00				3.29	4.00		4.00	38.1	
14.30	0.70	15.00				0.98	1.19			26.6	67482
13.90	1.30	15.20			0.30	0.81	0.98			25.4	67483
14.00	4.00	18.00				0.82	1.00			26.7	
9.80	1.90	11.70			2.18	3.23	3.92			31.6	67484
9.30	0.60	9.90			1.85	3.73	4.53			32.8	67485
10.00	4.00	14.00				3.29	4.00			33.1	
12.20	0.50	12.70						2.87		24.2	67212
10.00	2.00	12.00						4.00		23.8	
18.70	0.60	19.30								22.4	67213
18.80	0.70	19.50								22.6	67756
20.00	2.00	22.00								24.0	
		23.35	88	12	0.58	3.65	4.43			36.9	67214
		28.60	73	27	0.41	1.24	1.51			29.1	67757
		28.80	76	24	0.51	1.25	1.52			29.3	67758
		28.80	70	30	0.43	1.31	1.59			29.2	67759
		30.00				1.03	1.25			29.2	
7.70	0.40	8.10			1.42	2.73	3.31	4.04	3.09	39.6	67215
8.00	0.50	8.50			1.26	2.47	3.00	0.84	5.19	36.6	67487
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.50	0.65	9.15			0.96	1.70	2.06	5.84	2.08	37.4	67217
8.30	0.70	9.00			1.16	1.54	1.87	8.27		37.0	67488
8.00	4.00	12.00				1.65	2.00		7.50	36.9	
11.55	0.80	12.35			0.45	0.45	0.55	1.00	0.64	23.2	67218
11.50	0.50	12.00				0.47	0.57	1.32		22.4	67219
11.30	1.55	12.85			0.57	0.57	0.69	1.60		23.6	67220
10.50	1.30	11.80			0.24	0.69	0.84	1.52		22.8	67760
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
7.10	0.80	7.90			0.56	1.49	1.81	1.16	5.77	32.3	67489
8.00	4.00	12.00				1.23	1.50		6.00	31.8	
		20.25	67	33		4.07	4.94			36.6	67491
		22.00				3.71	4.50			36.2	
8.20	3.20	11.40			0.46	1.09	1.32	2.95		24.9	67763
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
		20.00	72	28		4.72	5.73			39.6	66879
		22.00				3.71	4.50			36.2	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Fox Chem. Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	
67225	†Fox Blood, Bone Phosphate and Potash	Mart Hambling, Halley Hill
67765		N. B. Triplett, Waynesburg
67229	Fox Formula	Guaranteed
67230		G. M. Hedrick, Monticello
		T. Z. Leachman, Greensburg
67498	†Fox Special Tobacco Grower	Guaranteed
		Julia Dawson and Son, Adairville....
67500	†Fox Standard Phosphate	Guaranteed
		D. S. French, Whitesville
		Guaranteed
66905	Fox Raw Bone	Manufacturer
		Guaranteed
	Globe Fert. Co., Branch Federal Chemical Co., Inc., Louisville, Ky.	
67503	†Globe Blood, Bone Phosphate and Potash	Trent and Mitcham, Irvington
67773		I. K. Miller and Son, Campbellsville...
67504	†Globe Grain and Grass Grower	Guaranteed
		Bressler, Son and Co., Owensboro....
67775	†Globe Wheat and Grain Special	Guaranteed
		Harvey Stout and Sons, Fern Creek...
67776	†Progress Corn and Wheat Grower	Guaranteed
		Harvey Stout and Son, Fern Creek....
67905	Braden Formula	Guaranteed
		Vine Grove Feed Co., Vine Grove....
67238	†Universal Crop and Tobacco Grower	Guaranteed
		Harmon and McNally, Junction City..
67508	Eagle Wheat and Corn Grower	Guaranteed
		Gulley and Petit, Burlington
67241	†Big Four Tobacco Grower	Guaranteed
67509		Harmon and McNally, Junction City..
		A. T. Warder, Epworth
67242	†Kentucky Tobacco Maker	Guaranteed
		E. F. Pearson, Franklin
67510	†Ky. Standard Tobacco Grower	Guaranteed
67511		Randolph Bros. and Co., Bandana ...
		W. T. Collins Co., Frankfort
67512	†Globe Special Tobacco Grower	Guaranteed
67514		Trent and Mitcham, Irvington
		W. H. Broach, Murray
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
11.85	0.85	12.70				0.44	0.53	1.11		22.5	67225
11.70	0.80	12.50				0.42	0.51	1.06		22.1	67765
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
10.35	1.05	11.40			0.76	1.08	1.31	3.46		28.3	67229
11.25	1.40	12.65			0.47	0.96	1.17	3.23		28.7	67230
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
8.30	2.10	10.40			0.59	1.59	1.93	4.75		30.7	67498
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
10.40	4.80	15.20								11.5	67500
12.00	2.00	14.00								14.4	
		20.00	72	28		4.72	5.73			39.6	66905
		22.00				3.71	4.50			36.2	
9.65	3.35	13.00			0.23	0.57	0.69	1.15		21.0	67503
12.00	0.90	12.90				0.41	0.50	1.14		22.7	67773
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
11.55	1.00	12.55				0.46	0.56	1.05		22.1	67504
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
12.10	1.10	13.20			0.33	0.89	1.08	1.16		25.4	67775
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
10.70	0.70	11.40			0.35	0.88	1.07	1.94		24.6	67776
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
11.55	0.65	12.20			0.22	0.88	1.07	3.21		28.4	67905
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
8.00	1.90	9.90			0.28	0.81	0.98	4.06		24.9	67238
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
8.40	0.65	9.05			0.89	1.65	2.00	1.80		24.7	67508
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
7.90	2.05	9.95			0.74	1.61	1.95	2.31		25.3	67241
8.35	0.70	9.05			0.85	1.65	2.00	2.37		25.8	67509
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
9.70	2.70	12.40			0.49	0.94	1.14	3.68		27.2	67242
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
8.70	2.35	11.05			0.82	1.23	1.49	4.91		30.0	67510
8.80	0.90	9.70			0.61	1.58	1.92	3.04	1.86	31.3	67511
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
7.10	2.80	9.90			1.29	2.27	2.76	1.00	8.46	42.0	67512
8.10	1.35	9.45			1.63	2.47	3.00	11.37		47.8	67514
8.00	4.00	12.00				2.47	3.00		10.00	46.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fert. Co., Br. Federal Chem. Co., Inc.	
67783	†Globe Raw Bone	Harvey Stout and Sons, Fern Creek...
67906		Vine Grove Feed Co., Vine Grove
		Guaranteed
	Groves Fertilizer Works, (The Joslin-Schmidt Co.) Cincinnati, O.	
67517	†Square Brand 3-8-6	J. C. Everett and Co., Maysville
		Guaranteed
67520	Half and Half	Moore and Hughes, Leitchfield
		Guaranteed
66721	2-27 Bone	Manufacturer
		Guaranteed
	Hopkins Fertilizer Co., New Albany, Ind.	
66750	Muriate Potash	Manufacturer
		Guaranteed
66754	Twenty Per Cent Acid Phosphate	Manufacturer
		Guaranteed
	International Agricultural Corporation, Inc., Cincinnati, O.	
67255	†I. A. C. A-1 Tobacco Fertilizer	McKenzie and Herrin, Eubank
		Guaranteed
67797	I. A. C. Farmer's Favorite Manure	C. M. Langdon, Science Hill
		Guaranteed
67534	†I. A. C. Old Kentucky Special	W. E. Ellis, Hartford
67798		C. M. Langdon, Science Hill
67799		J. W. Bratcher, Berea
		Guaranteed
67260	I. A. C. Standard Potash Mixture	McKenzie and Herrin, Eubank
67261		C. M. Langdon, Science Hill
67535		The Auburn Mills, Auburn
		Guaranteed
67537	Buffalo Tobacco Special	Jos. Waggener, Blackford
		Guaranteed
67540	†Buffalo High Grade Tobacco Special	Jansen Hardware Co., Covington
		Guaranteed
67542	Buffalo Crop Grower	V. B. Nuckols, Elkton
		Guaranteed
67543	†Buffalo Tobacco and Corn Grower	W. B. Davis, Princeton
		Guaranteed
67545	Buffalo Kentucky Standard	Harrodsburg Implement Co., Harrodsburg
		Guaranteed
67547	†Buffalo Corn and Grain Grower	Jansen Hardware Co., Covington
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		18.10 20.10 22.00	76 60	24 40	0.59	4.45 4.51 3.71	5.40 5.48 4.50			36.7 38.6 36.2	67783 67906
8.45 8.00 7.20 8.00	1.50 1.00 8.70 8.00	9.95 9.00 15.90 16.00 26.00 27.00			0.43 0.35 0.45	1.45 2.47 1.63 1.65 1.78 1.65	1.76 3.00 1.98 2.00 2.16 2.00	8.19 6.00 2.25 2.00		36.9 36.8 26.9 27.5 29.7 29.9	67517 67520 66721
			78	22				48.20 50.00		96.4 100.0	66750 66754
19.10 20.00	1.80 2.00	20.90 22.00								22.9 24.0	
10.05 10.00 9.70 10.00 8.20 7.40 9.15 8.00 10.10 9.60 10.35 10.00 8.60 8.00 9.65 10.00 11.35 12.00 7.25 8.00	1.35 4.00 1.40 5.00 1.10 1.40 0.80 5.00 1.20 1.25 1.00 5.00 0.75 4.00 1.10 4.00 1.10 4.00 0.85 4.00	11.40 14.00 11.10 15.00 9.30 8.80 9.95 13.00 11.30 10.85 11.35 15.00 9.35 12.00 10.75 14.00 12.45 16.00 8.10 12.00			1.18 0.51 0.59 0.58 0.53	1.63 1.65 0.83 0.82 0.81 0.83 0.53 0.82	1.98 2.00 1.01 1.00 0.98 1.01 0.64 1.00	4.63 3.13 3.00	4.00 3.04	33.0 32.9 25.5 27.1 22.9 19.9 21.0 22.1 25.6 27.2 25.1 27.0 42.2 41.9 31.2 32.9 29.1 31.9 22.2 25.9	67255 67797 67534 67798 67799 67260 67261 67535 67537 67540 67542 67543
9.85 10.00 8.70 8.00	1.50 5.00 1.00 5.00	11.35 15.00 9.70 13.00			0.51 0.46	0.86 0.82 0.81 0.82	1.04 1.00 0.98 1.00	3.41 3.00 2.24 2.00		26.5 27.1 22.0 22.1	67545 67547

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66655	International Agricultural Corporation, Inc. Buffalo Potash Mixture	Manufacturer Guaranteed
66480	The Jarecki Chemical Co., (Armour owned) Louisville, Cincinnati, Nashville Jarecki 2-16-2 Fertilizer	Manufacturer Guaranteed
67267	Jarecki Burley Tobacco Grower	A. W. Tartar, Columbia
67556		Farmers Union Supply Co., Lawrenceburg Guaranteed
67268	Ky. Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky. †O. K. Grain Grower	Smith and Smith, Shepherdsville..... Guaranteed
67269	O. K. Tobacco Fertilizer	Smith and Smith, Shepherdsville..... Guaranteed
67560	O. K. High Grade Mixture	Frank Carpenter, Augusta
66954	O. K. Raw Bone	Guaranteed Manufacturer Guaranteed
67568	Knoxville Fertilizer Co., Knoxville, Tenn. †Bright Burley Brand	Barnett Bros., London
67819	Louisville Fertilizer Co., (Armour owned), Louisville, Cincinnati, Nashville Louisville 20% Acid Phosphate	Guaranteed J. T. Brown, Spurlington
67570	†Louisville 2-8-2 Fertilizer	M. B. Wallingford, Mt. Carmel
66446	Louisville 2-16-2 Fertilizer	Guaranteed Manufacturer
67281	†Louisville Burley Tobacco Grower	Guaranteed R. J. Wilcox, Greensburg
67573		D. L. D. Sandefur, Beaver Dam..... Guaranteed
67283	Louisville Plant Bed Special	T. E. Richardson, Campbellsville..... Guaranteed
66692	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Virginia-Carolina Chem. Co.), Memphis, Nashville Mt. Pleasant High Grade Acid Phosphate	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.35 10.00	1.00 5.00	10.35 15.00						5.02 5.00		24.5 27.0	66655
20.80 16.00 7.80	0.50 1.00 1.00	21.30 17.00 8.80			0.65 1.30	0.65 2.31	0.79 2.00 2.80	0.55 2.00 0.68		35.8 36.7 34.5	66480 67267
7.70 8.00	1.50 1.00	9.20 9.00			1.28	2.45 2.47	2.97 3.00	0.64	4.62 6.00	34.9 36.8	67556
11.40 11.00 9.70 10.00 9.95 11.00	1.00 4.00 0.70 4.00 1.15 4.00	12.40 15.00 10.40 14.00 11.10 15.00 20.00 22.00				0.47 0.41 1.11 0.82 0.84 0.82 4.72 3.71	0.57 0.50 1.35 1.00 1.02 1.00 5.73 4.50	1.29 1.00 2.46 2.00 2.95 3.00		22.4 22.2 25.3 24.7 25.5 28.2 39.6 36.2	67268 67269 67560 66954
8.10 9.00	2.65	10.75	72	28	0.98	1.84 2.00	2.23 2.43	3.34 3.00		29.1 29.5	67568
18.35 20.00 8.50 8.00 20.80 16.00 8.50 9.95 8.00 10.45 8.00	0.65 1.00 1.00 1.00 0.50 1.00 0.80 5.50 1.00 1.20 1.00	19.00 21.00 9.50 9.00 21.30 17.00 9.30 15.45 9.00 11.65 9.00			0.93 0.65 1.25 1.46 1.31	1.42 0.65 2.27 1.90 2.47 2.45 3.29	1.72 0.79 2.00 2.31 3.00 2.97 4.00	1.15 0.55 2.00 0.64	4.40 6.13 6.00 3.00	22.0 24.0 22.6 24.7 35.8 36.7 34.5 38.9 36.8 32.9 34.9	67819 67570 66446 67281 67573 67283
19.10 20.00	0.40 2.00	19.50 22.00								22.9 24.0	66692

TABLE II.

Station Number	Name and Address of Manufacturer ¹²³⁴ and Name of Brand	From Whom Obtained
	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Virginia-Carolina Chem. Co.)	
67579	†Mt. Pleasant High Grade Tobacco Grower	J. W. Spurrier, Whitesville Guaranteed
66704	Mt. Pleasant 10-4-0	Manufacturer Guaranteed
67825	Mt. Pleasant Half and Half	Mrs. Myrtle Scruggs, Adairville Guaranteed
66708	Mt. Pleasant Raw Bone Meal	Manufacturer Guaranteed
67583	Mt. Pleasant 10-3-3	Cadiz Trading Co., Cadiz Guaranteed
	Price Chemical Co., Inc., Louisville, Ky.	
67585	†Special Corn and Wheat Fertilizer	Union Store, Buechel
67586		Thos. S. Dodson, Constantine
67828		D. L. D. Sandefur, Beaver Dam Guaranteed
67587	Walter Crady's Veg. Pot. and Tob. Special	Moore and Hughes, Leitchfield
67588		Union Store, Buechel Guaranteed
67288	One-Ten-One Fertilizer	J. C. Holt, Irvine's Store Guaranteed
67289	†Ky. Blue Grass Tobacco Special	H. F. Upchurch, Susie
67290		I. K. Miller and Sons, Campbellsville..
67829		I. K. Miller and Sons, Campbellsville.. Guaranteed
67291	Extra High Grade Tobacco Fertilizer	Snow and Grubb, Kidd's Store
67590		A. D. Roberts, Hawesville Guaranteed
67591	3-8-6 Tobacco Grower	A. D. Roberts, Hawesville Guaranteed
67592	3-8-6 Tobacco Fertilizer	J. R. Lyons, Mt. Sterling Guaranteed
67593	High Grade Tobacco Bed Special	J. R. Lyons, Mt. Sterling Guaranteed
67596	†High Grade Phosphate	Union Store, Buechel Guaranteed
67834	Raw Bone	Farmers Supply Co., Hodgenville Manufacturer
67106	Ky. Blue Grass Tobacco Fertilizer	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.60	7.60	18.20			1.29	1.56	1.89	2.00		30.7	67579
8.00	4.00	12.00				1.65	2.00	3.00		27.9	
9.15	8.50	17.65			2.91	3.85	4.67			36.4	66704
10.00	4.00	14.00				3.29	4.00			33.1	
9.05	12.90	21.95			0.26	1.94	2.36			28.4	67825
10.00	10.00	20.00				1.65	2.00			27.3	
		22.05	89	11	0.29	1.88	2.28			27.0	66708
		22.00				3.71	4.50			36.2	
9.90	8.30	18.20			1.44	1.81	2.20		2.88	33.0	67583
10.00	2.00	12.00				2.47	3.00	3.00		34.2	
11.55	1.10	12.65			0.31	0.56	0.68	0.50		21.6	67585
12.00	0.60	12.60			0.33	0.50	0.61	1.69		24.1	67586
11.35	1.00	12.35			0.31	0.56	0.68	0.94		22.1	67828
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
11.60	0.70	12.30			0.48	0.83	1.01	3.64		29.1	67587
11.20	1.10	12.30			0.67	0.98	1.19	3.16		28.5	67588
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
10.70	0.50	11.20			0.69	0.98	1.19	1.05		23.3	67288
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
9.10	0.60	9.70			0.82	1.24	1.51	0.84	2.69	27.2	67289
8.10	0.90	9.00			1.14	1.46	1.77		3.90	27.6	67290
8.60	0.60	9.20			0.89	1.20	1.46	4.39		27.9	67829
8.00	4.00	12.00				1.23	1.50		4.00	27.8	
11.40	0.30	11.70			1.33	1.74	2.11	4.04		34.0	67291
10.70	0.80	11.50			1.18	1.52	1.85	3.92		31.8	67590
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
8.40	1.00	9.40			1.67	2.27	2.76	5.55		35.5	67591
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.50	0.50	9.00			1.73	2.38	2.89	0.60	5.38	36.8	67592
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
10.80	0.70	11.50			2.79	3.18	3.86			32.4	67593
10.00	4.00	14.00				3.29	4.00			33.1	
14.85	1.40	16.25								17.8	67596
16.00	2.00	18.00								19.2	
		18.00	78	22	0.24	4.20	5.10			35.4	67834
		22.00				3.71	4.50			36.2	
6.95	1.20	8.15			1.63	2.23	2.71	6.73		35.5	67106
8.00	4.00	12.00				1.23	1.50	4.00		27.8	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67835	Price Chemical Co., Inc. Miller's Special	I. K. Miller and Sons, Campbellsville.. Guaranteed
67689	Price's Half Bone and Phosphate Read Phosphate Co., Nashville Tenn.	Manufacturer
67607	Read's Prize Tobacco Grower	Guaranteed
67608		Farmers Union, Lancaster
67303	Read's Standard Grain Grower	Boone County Farm Bureau, Florence. Guaranteed
67844	†Read's Corn and Wheat Grower	I. K. Miller and Sons, Campbellsville.. Guaranteed
67610	†Read's Kentucky Special	J. H. Jasper, Somerset
67846		Guaranteed
67849	†Read's High Grade Potash Mixture	J. E. Coombs, Greenville.....
67318	†Read's High Grade Tobacco and Truck Grower	J. H. Jasper, Somerset
67319		Guaranteed
67856		J. H. Jasper, Somerset
67857		Guaranteed
67617	†Old Kentucky Tobacco Special	J. H. Jasper, Somerset
	The Smith Agricultural Chemical Co., Columbus, O.	Guaranteed
67054	Smith's Standard 10-10	Barren County Grocery and Hardware Co., Glasgow
	Smith Brothers, New Albany, Ind.	I. K. Miller and Sons, Campbellsville.. Hollingsworth Young Hdw. Co., Bowling Green
67046	Tankage and Phosphate	J. H. Jasper, Somerset
	Swift and Co., Inc., National Stock Yards, Ill.	Guaranteed
66394	Swift's Red Steer 3-12-4 Fertilizer	Lincoln County Farm Bureau, Stanford Guaranteed
67320	†Swift's Red Steer 3-8-6 Fertilizer	Manufacturer
67323	†Swift's Diamond "W" Veg. and Tob. Grower	Guaranteed
		W. E. Burress and Co., Greensburg.... Guaranteed
		J. F. Collings, Shepherdsville
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
12.65	0.65	13.30				0.41	0.50			21.3	67835
12.00	4.00	16.00				0.41	0.50			21.7	
15.30	5.50	20.80			0.90	1.64	1.99			33.4	67689
17.00	3.00	20.00				0.82	1.00			30.8	
8.80	4.00	12.80			1.46	2.82	3.42	3.71		36.4	67607
9.60	2.00	11.60			1.81	2.53	4.29	2.82		33.5	67608
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
10.10	7.30	17.40			0.29	0.82	1.00			22.2	67303
12.00	5.00	17.00				0.41	0.50			22.1	
9.05	9.35	18.40			0.24	0.59	0.72	0.52	0.47	22.3	67844
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
9.00	10.80	19.80			0.20	0.75	0.91	2.44		26.5	67610
9.45	8.00	17.45				0.52	0.63	2.16	0.89	26.1	67846
8.00	5.00	13.00				0.41	0.50	4.00		24.1	
11.35	7.80	19.15						2.41		25.0	67849
10.00	8.00	18.00						4.00		26.2	
8.30	2.40	10.70			0.67	1.91	2.32	6.72		36.4	67318
9.25	3.60	12.85			0.72	1.55	1.88	1.32	5.40	36.5	67319
11.40	4.05	15.45			0.77	1.18	1.43	2.08	3.38	35.5	67856
9.60	10.00	19.60				0.98	1.19	4.64		32.6	67857
8.00	5.00	13.00				1.65	2.00		8.00	38.3	
6.70	7.00	13.70			1.85	2.50	3.04	6.71		38.8	67617
8.00	3.00	11.00				2.47	3.00		6.00	37.6	
9.15	0.70	9.85						10.22		34.5	67054
10.00								10.00		35.0	
16.25	1.35	17.60			0.31	1.17	1.42			30.8	67046
10.00	2.00	12.00				1.65	2.00			24.1	
12.90	0.50	13.40			2.43	2.43	2.95	2.08		35.9	66394
12.00	1.00	13.00				2.47	3.00	4.00		38.8	
7.60	1.30	8.90			2.06	2.61	3.17	5.34		35.7	67320
8.00	1.00	9.00				2.47	3.00	6.00		36.8	
7.20	1.60	8.80			1.01	1.54	1.87	2.24	0.82	25.3	67323
8.00	1.00	9.00				1.65	2.00	3.00		26.7	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67633	Swift and Co., Inc. Swift's Superphosphate	J. L. Townsend, Clay Guaranteed
66463	Tennessee Chemical Co., (Armour owned), Louisville, Cincinnati, Nashville Ox 2-16-2 Fertilizer	Manufacturer Guaranteed
67650	†Ox 0-12-4 Fertilizer	C. F. Roberts and Co., Olive Hill..... Guaranteed
67871	Ox 3-27 Bone Meal	W. C. Granger, Franklin.....
67872		H. D. Jones, Glasgow Guaranteed
67338	Ox Burley Tobacco Grower	H. D. Jones, Glasgow
67654		J. S. Duke, Crab Orchard Guaranteed
67656	Ox High Grade Tobacco Grower	P. A. Blackwell and Co., Henderson ... Guaranteed
67874	Ox 2-8-5 Fertilizer	Young Hardware Co., Hopkinsville... Guaranteed
67350	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis V-C Pacific Grain Grower	Brownlee, Kennedy and Crutcher, Munfordville Guaranteed
67886	†V-C Champion Corn and Wheat Grower	Burton Bros. and Tartar Bros., Somerset Guaranteed
67888	†V-C Beef, Blood and Bone B. B. B.	Burton Bros. and Tartar Bros., Somerset Guaranteed
67666	V-C Tobacco Plant Food	R. M. Bagby Lumber Co., Grayson... Guaranteed
67668	†V-C Tobacco and Truck Special (Potash from Sulfate)	R. M. Bagby Lumber Co., Grayson.... Guaranteed
67013	V-C Blue Grass Tobacco Grower (Potash from Sulfate)	Manufacturer Guaranteed
67020	Wood, Stubbs and Co., Louisville, Ky. Acme Wheat and Corn Grower	Manufacturer Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
7.60	1.20	8.80			1.44	1.44	1.75	1.90		22.9	67633
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
20.80	0.50	21.30			0.65	0.65	0.79	0.55		35.8	66463
16.00	1.00	17.00				1.65	2.00	2.00		36.7	
13.85	0.60	14.45						1.84	0.86	26.4	67650
12.00	1.00	13.00						4.00		26.4	
		25.85	68	32	0.61	3.11	3.78			36.2	67871
		25.95	68	32	1.06	3.26	3.96			37.1	67872
		27.00				2.47	3.00			34.0	
7.90	1.10	9.00			1.23	2.28	2.77	0.60	5.03	35.0	67338
7.90	0.80	8.70			1.19	2.29	2.78	0.60	4.79	34.4	67654
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
10.20	1.10	11.30			0.99	1.45	1.76	1.64	4.86	36.0	67656
10.00	1.00	11.00				1.65	2.00		10.00	43.7	
8.70	1.70	10.40			0.99	1.23	1.49	4.90		29.7	67874
8.00	1.00	9.00				1.65	2.00	5.00		30.7	
13.50	5.00	18.50						1.21		24.7	67350
12.00	1.50	13.50						2.00		22.6	
7.10	1.90	9.00			0.54	0.82	1.00	1.90		19.3	67886
8.00	1.50	9.50				0.82	1.00	2.00		20.7	
7.80	1.80	9.60			1.16	1.48	1.80	1.44	0.48	23.7	67888
8.00	1.50	9.50				1.65	2.00	2.00		24.9	
8.70	2.20	10.90			1.98	2.20	2.67			24.9	67666
9.00	1.50	10.50				2.47	3.00			26.5	
7.95	1.00	8.95			1.88	2.13	2.59		6.23	35.4	67668
8.00	1.50	9.50				2.47	3.00		6.00	37.0	
8.60	0.90	9.50			1.44	1.44	1.75		7.06	34.6	67013
6.00	1.50	7.50				1.65	2.00		8.00	33.9	
11.40	9.95	21.35			0.27	0.56	0.68	0.42		24.7	67020
10.00	4.00	14.00				0.41	0.50	1.00		20.7	

